Welcome

Thank you for purchasing a Sony VAIO® computer! Your new computer is a superb blend of high technology and easy-to-use functionality. The information provided here is designed to help you to become familiar with the hardware and software programs included with your system.

- View the Electronic Flyer, which provides updates and supplemental information about your computer.
- Go to the Sony Online Support Web site, to view the VAIO® Computer Specifications which lists your computer's hardware specifications and preinstalled software information.
- For Sony software information, click **Start** and **Welcome to VAIO Life**.

Getting Started

Congratulations on your purchase of the Sony VAIO® computer! Your new, high-performance, multimedia computer combines state-of-the-art computer functionality with the latest audio, video and information technology features.

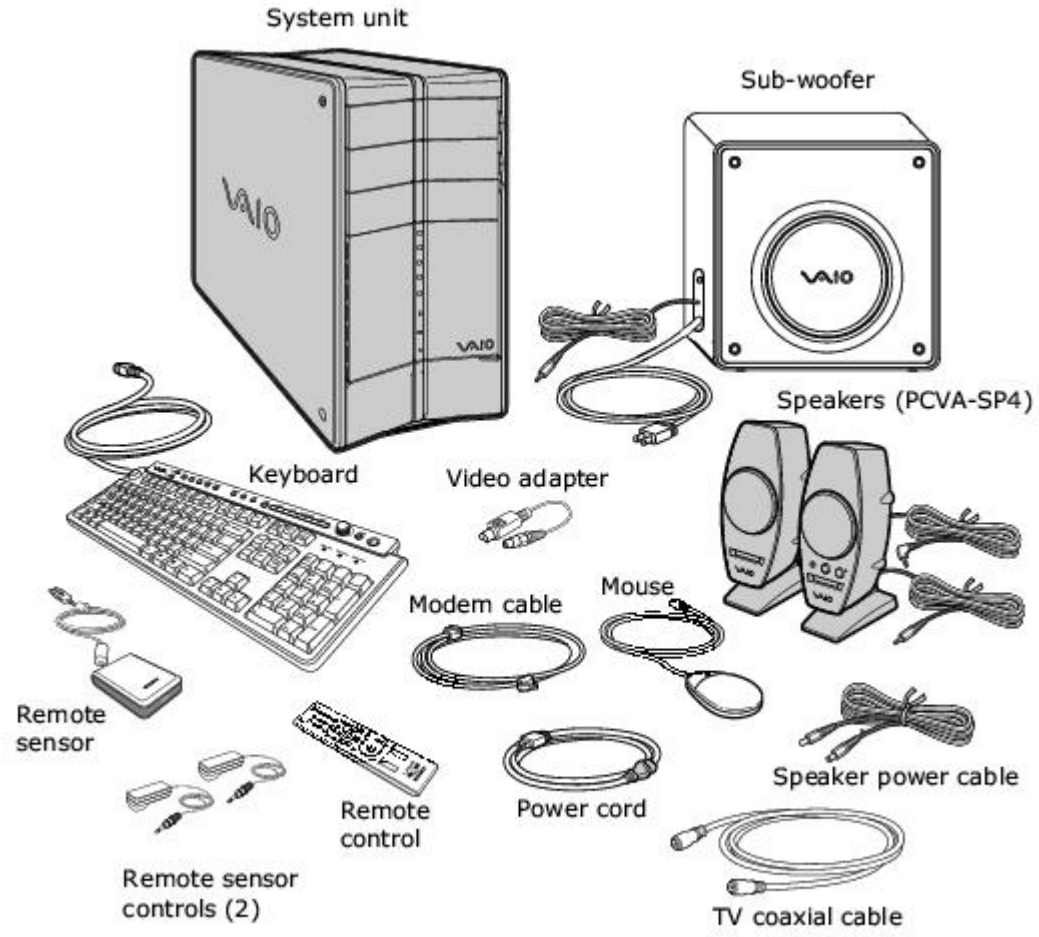
- Unpacking your Computer
- Planning an Ergonomic Work Space

Unpacking your Computer

Your computer may not be supplied with all of the accessories shown, depending on the system configuration you purchased. For details on the accessories supplied with your computer, see the online *Specifications* sheet.

Your VAIO® computer is not supplied with System or Application Recovery CDs. Use the VAIO Recovery Wizard utility to recover your computer's operating system and preinstalled software.

Computer and supplied accessories



Manuals

- **VAIO® Computer Quick Start** — Provides basic information on setting up and registering your computer. The Quick Start also provides resources for technical support, safety guidelines and owner information.

Online Documentation

- ***VAIO® Computer User Guide*** — Contains features and specifications of your computer. It also includes information on the Microsoft® Windows® XP Media Center Edition operating system, the software programs included with your system, and solving common problems.

  To access the online User Guide:

  1. Click **Start** in the Windows taskbar, then click **Help and Support**.
  2. From the **VAIO Help and Support Center** menu, click **VAIO User Guide**.

- **Specifications** — This online specification sheet describes the hardware and software configuration of your VAIO computer. To access this information, go to the online *Specifications* sheet.

- ***VAIO Software*** — Provides specific information on certain preinstalled software on your computer.

  To access this online software information:

  1. Click **Start** in the Windows® taskbar.

2. Click **Welcome to VAIO Life**.

Hard Disk Drive Recovery

Your computer is equipped with the VAIO Recovery Wizard utility program that recovers your computer's operating system and preinstalled software. For more information about hard disk drive recovery:

1. Click **Start** in the Windows® taskbar, then click **Help and Support**.
2. From the **VAIO Help And Support Center**, click **VAIO Recovery Options**.

Other

A software library, containing the Microsoft® software and Sony® end-user license agreements.

Planning an Ergonomic Work Space

Before you set up your new computer, find the best location for your new computer and plan your work space. There are several ergonomic factors to consider when you arrange your work space:

- **Stable work surface —** Use a stable work surface large enough to support the computer and other peripheral equipment.

- **Ventilation —** Leave at least eight inches of space on the left and back sides of your computer to enable proper ventilation.

- **Placement of the keyboard, mouse, and other input devices —** Place your keyboard, mouse, and other input devices so that your arms and hands are in a relaxed, comfortable position. The keyboard should be directly in front of you. Adjust the level of the keyboard so that your lower arms are parallel to the floor. Keep your wrists in a relaxed position when you are using the keyboard — not angled up or down. Use the palmrest only briefly, for resting. While typing, never use the palmrest or rest your hands on the table. Position the mouse at the same level as the keyboard. Hold the mouse with a relaxed hand, and use your whole arm to move it. Take breaks during sessions with your computer. Excessive use of the mouse or a joystick may strain muscles or tendons.

- **Furniture and posture —** Sit in a chair with good back support and armrests. Adjust the level of the chair so your feet are flat on the floor. A footrest may make you more comfortable. Sit with relaxed, upright posture — avoid slouching forward or leaning far backward.

- **Viewing angle of the display —** Position the display 18 to 26 inches directly in front of you, with the top of the screen at or a little below eye level. Use the display's tilting feature to find the best position. You can reduce eye strain and muscle fatigue by placing the display in the proper position.

- **Lighting —** Choose a location where windows and lights do not create glare and reflection on the display. Use indirect lighting to avoid bright spots on the display. You can also purchase accessories for your display that help reduce glare. Proper lighting adds to your comfort and work effectiveness.

Locating Controls And Ports

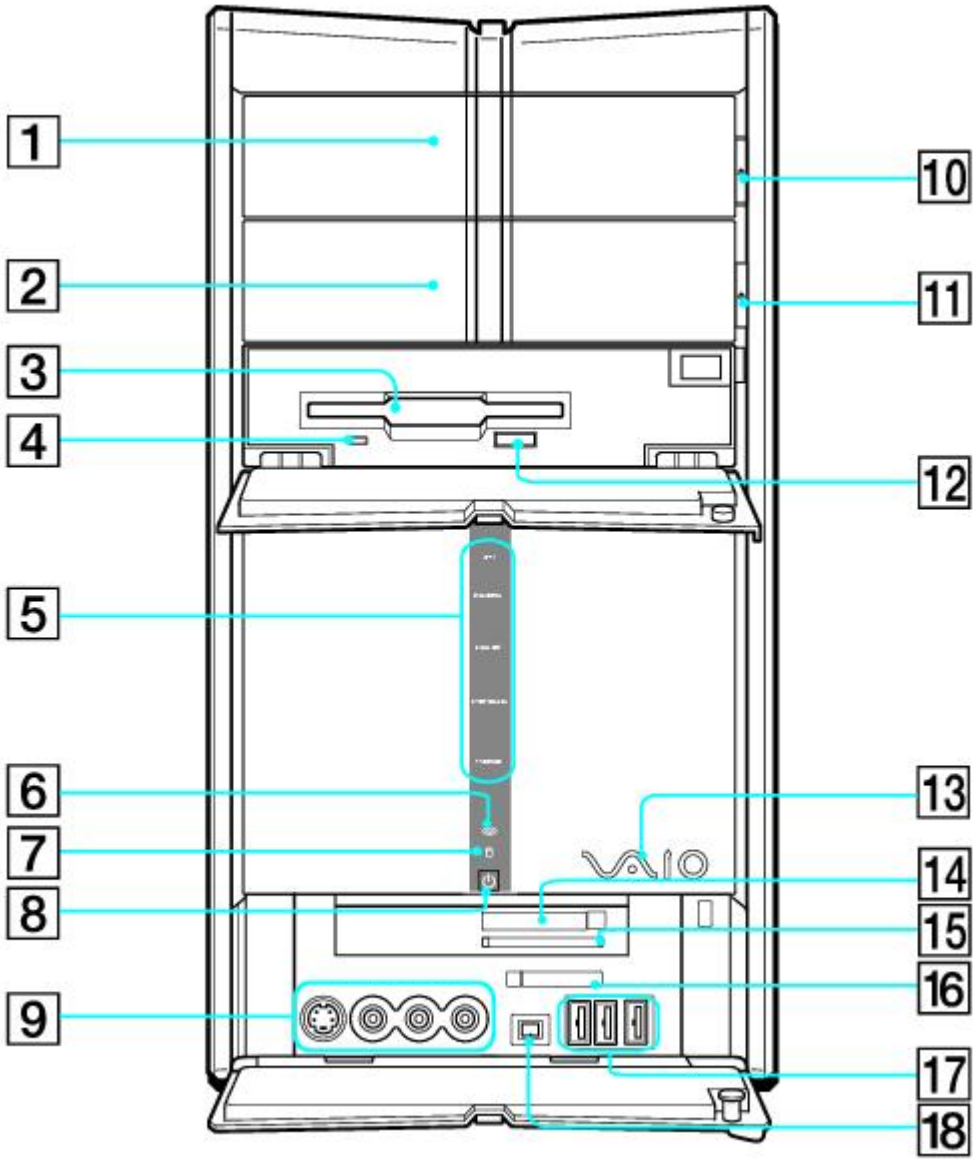
This section is intended to familiarize you with the controls, ports and jacks on your computer. Your computer may not be equipped with all of these hardware features, and the location of the controls, ports, and jacks may vary from the illustrations shown in this section. To view the specific connection capabilities for your system, see the online *Specifications* sheet.

- About the Front Panel
- About the Back Panel
- About the Sub-woofer
- About the Keyboard
- About the Remote Control

About the Front Panel

The front panel of your VAIO® Computer enables access to drives, media slots, ports and jacks that enable you to connect compatible peripheral devices.

Front panel



1 Optical drive 1

See the online *Specifications* sheet for optical drive information.

2 Optical drive 2

See the online *Specifications* sheet for optical drive information.

3 Floppy disk drive

Reads and writes data from and to a 3.5-inch floppy disk.

4 Floppy disk drive access indicator

Light is green while reading and writing data from and to a floppy disk.

5 Media Center indicator

Light is blue when a specific Media Center feature is active.

6 Optical drive access indicator

Light is amber while reading and writing data from and to the optical drives.

7 Hard disk drive access indicator

Light is amber while reading and writing data from and to the hard disk.

8 Power switch and Stand by indicator

Turns the computer on and off. The indicator light is amber when the computer is placed in Stand by mode.

9 S-video In jack

Connection for an S-video cable (optional).

Composite video In jack

Connection for a video cable (optional).

Composite audio L In jack

Connection for an audio cable (optional).

Composite audio R In jack

Connection for an audio cable (optional).

10 Optical drive 1 eject button

Ejects a disc from Optical drive 1.

11 Optical drive 2 eject button

Ejects a disc from Optical drive 1.

12 Floppy disk eject button

Ejects a floppy disk from the floppy disk drive.

13 Power indicator (VAIO)

Light is white while the computer is on. The indicator turns off when the computer is in Stand by mode or turned off.

14 CompactFlash® and Microdrive media slot

Reads and writes data from and to CompactFlash and MicroDrive media.

15 SmartMedia™ media slot

Reads and writes data from and to SmartMedia cards.

16 Memory Stick® media slot and access indicator

Reads and writes data from and to a Memory Stick® media. The access indicator light is amber when reading or writing data.

17 Universal Serial Bus (USB 2.0) ports (3)

Connections for compatible high/full/low-speed USB devices.

18 i.LINK (4-pin) S400 port (IEEE 1394)

Connection for a compatible digital device.

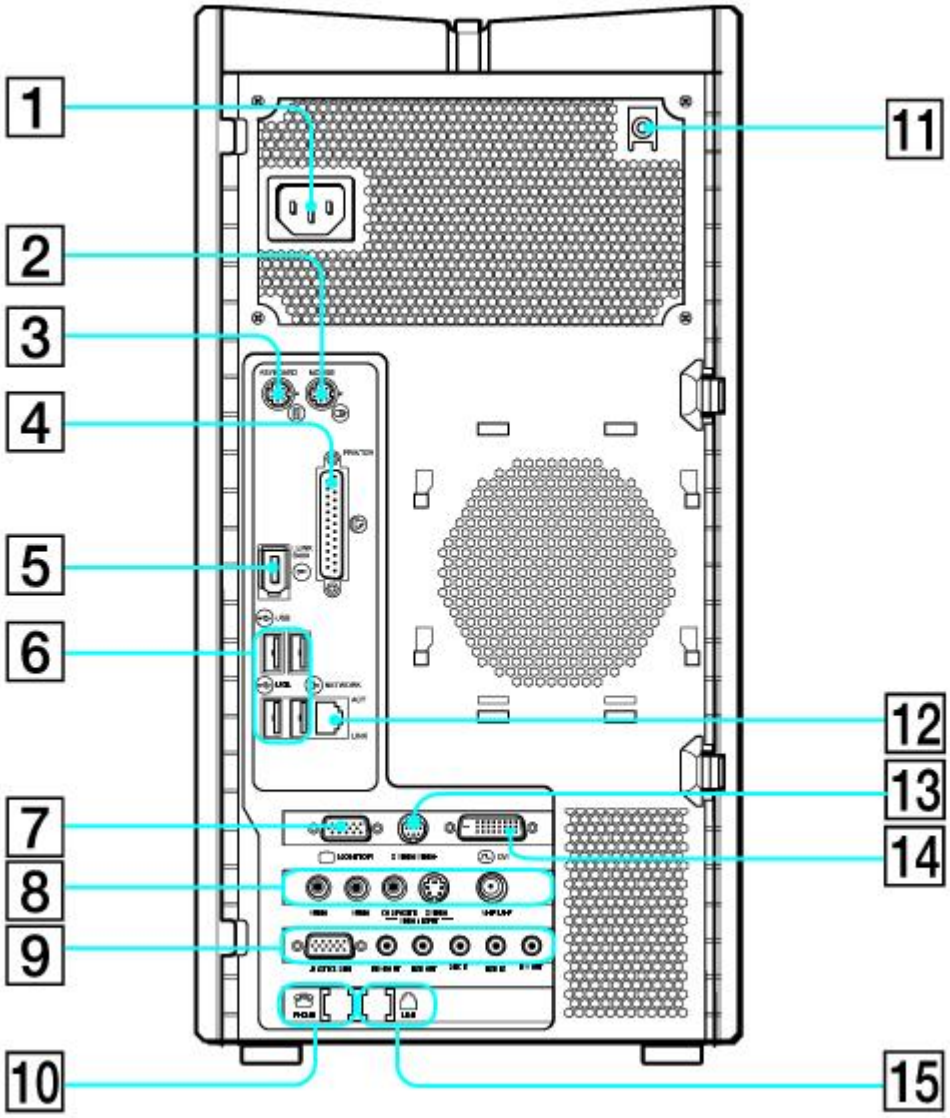
i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connection. The i.LINK connection may vary, depending on the software programs, operating system, and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other.

Please refer to the documentation that came with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK devices to your system, such as an optical or hard disk drive, confirm their operating system compatibility and required operating conditions.

About the Back Panel

The back panel of your computer contains the ports for supplied and optional accessories. The icons on the back panel locate and identify the ports on your computer. The location of certain ports and jacks may vary from the illustration, based on the computer model purchased.

Back panel



1 AC Input port

Connection for the supplied power cord.

2 Mouse port

Connection for a PS/2® mouse.

3 Keyboard port

Connection for a PS/2 keyboard.

4 Printer port

Connection for a parallel device, such as a printer or scanner.

5 i.LINK 6-pin S400 port (IEEE 1394)

Connection and power for a compatible digital device, such as a Sony Digital Handycam® camcorder.

6 Universal Serial Bus (USB 2.0) ports (4)

Connections for compatible high/full/low-speed USB devices.

7 Monitor port[1]

Connection for a standard display.

8 Composite audio R In jack

Connection for an audio cable (optional).

Composite audio L In jack

Connection for an audio cable (optional).

Composite video In jack

Connection for a video cable (optional).

S-video In jack

Connection for an S-video cable (optional)

VHF/UHF port

Connection for a TV coaxial cable (supplied).

9 Joystick/MIDI port

Connection for a joystick or MIDI device.

Rear Out jack

Connection for optional speakers or external amplifier.

Line Out jack[2]

Connection for the supplied sub-woofer, or optional speakers or headphones.

Microphone In jack

Connection for a microphone (optional).

Line In jack

Connection for an audio device.

Analog/Digital Out jack

Connection for external digital devices or digital speaker systems.

10 Telephone jack

Connection for a telephone cable (optional) to the computer.

11 Speaker DC Out jack

Connection for the speaker power cable (supplied).

12 Ethernet port

Connection for a 10BASE-T/100BASE-TX/1000BASE-TX Ethernet.

(The port marked with (Network) is for LAN connections only.)

13 TV Out (S-video/video) jack

Connection for an S-video cable.

14 Monitor (DVI) port[1]

Connection for a DVI monitor.

15 Modem line jack

Connection for the modem (supplied) cable to the wall jack.

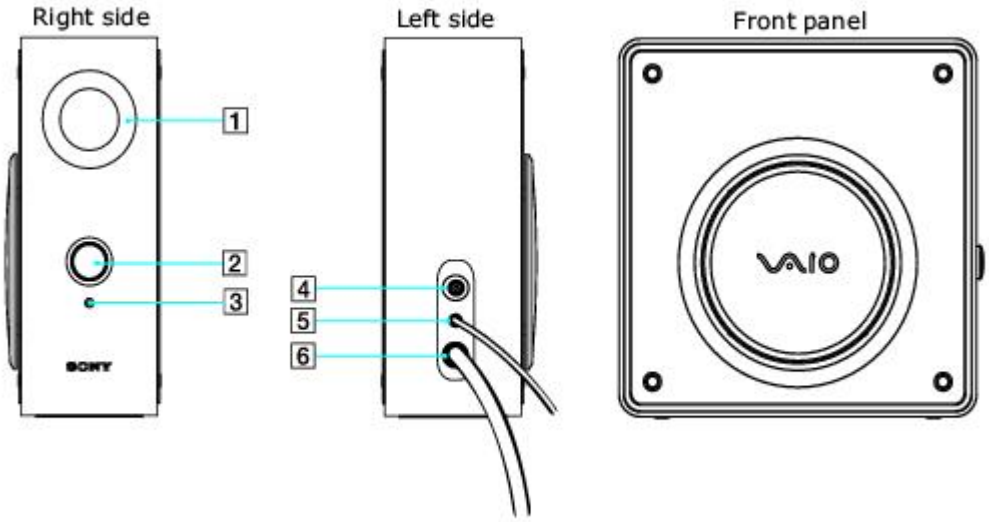
[1] The location of this monitor port may vary, depending on the computer model purchased.

[2] Certain VAIO computers are supplied with a sub-woofer unit. See the Specifications sheet for information on your computer's supplied accessories.

About the Sub-woofer

Certain VAIO® computers are supplied with a sub-woofer unit to enhance your system's sound capability.

Sub-woofer unit



1 Port

The port extends the low frequency response to extend the volume output of the sub-woofer unit.

2 Power knob/volume control

Rotate the knob clockwise to turn on the sub-woofer unit. Control the volume by rotating the knob until the desired volume is reached. Rotate the knob counter-clockwise to turn off the sub-woofer unit.

3 Power indicator

Light is green while the power is on.

4 Speaker jack

Connection for the speaker cable (RCA plug).

5 Sub-woofer unit cable

Connects the sub-woofer unit to the computer's Line Out jack.

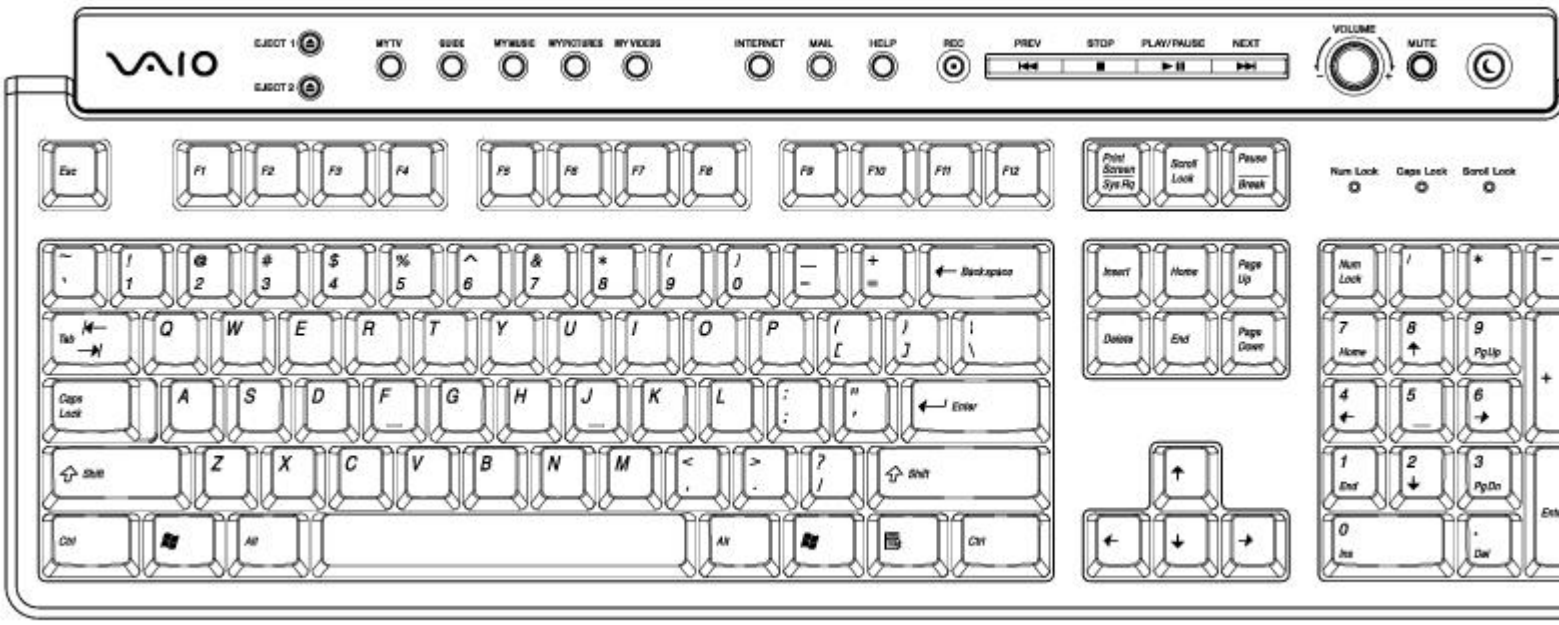
6 AC power cord

Connects the sub-woofer unit to a grounded AC wall outlet or power strip.

About the Keyboard

Your VAIO® keyboard uses a standard key arrangement with additional keys that perform specific functions.

VAIO keyboard with Media Center features



BUTTON	DESCRIPTION
EJECT 1	Opens the optical drive 1 tray.
EJECT 2	Opens the optical drive 2 tray.
MY TV	Opens the My TV window of Windows® Media Center.
GUIDE	Opens the TV program guide of Media Center.
MY MUSIC	Opens the My Music window of Media Center.
MY PICTURES	Opens the My Pictures window of Media Center.
MY VIDEOS	Opens the My Videos window of Media Center.
INTERNET	Opens the Internet browser.
MAIL	Opens the e-mail software program.
HELP	Opens the Media Center Help guide.
REC	Records TV programs.
PREV	Press once to return to the beginning of the DVD chapter, video track, or audio track.

Press twice to return to the previous DVD chapter, video track, or audio track.

STOP Stops media recording or playback.

PLAY/PAUSE Pauses the movie, video, slide show, or audio track. Press again to resume playback.

NEXT Advances to the next DVD chapter, video track, or audio track.

VOLUME knob Increases (+) and decreases (-) the volume as you turn the knob.

MUTE Turns the sound off. Press again to restore sound.

STANDBY Places the computer in Stand by mode to reduce power consumption. Press any key briefly to resume normal operation.

KEY DESCRIPTION

Function The 12 function keys along the top of the keyboard are used to perform certain tasks. The task associated with each function key may vary between software programs.

Numeric keypad Use the numeric keypad area to type numbers or to perform basic math calculations. Press the Num Lock key to activate the numeric keypad. (The Num Lock indicator lights.) Press the Num Lock key again to deactivate the numeric keypad.

Directional Arrows The Up, Down, Left, and Right arrow keys move the pointer on the screen.

Applications

The Applications key displays a shortcut menu in certain software programs. Pressing this key is equivalent to clicking the right mouse button.

Windows

The key with the Microsoft® Windows® logo, displays the Start menu. Pressing this key is equivalent to clicking Start on the taskbar.

INDICATORS FUNCTION

Num Lock The Num Lock indicator lights when the numeric keypad is activated. When the indicator is off, the directional arrow and correction keys on the numeric keypad area are active.

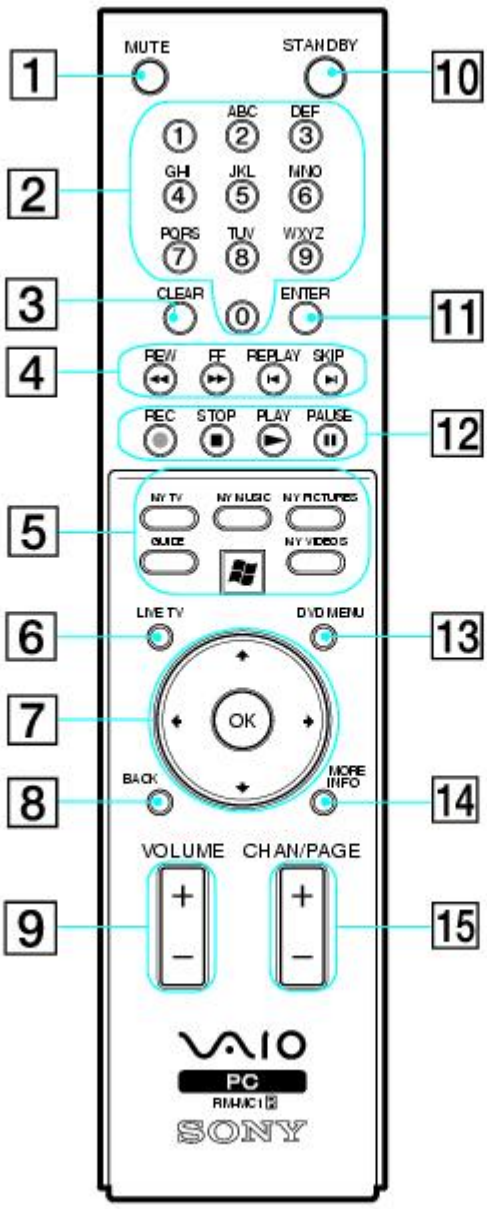
Caps Lock The Caps Lock indicator lights to advise you that the keyboard is set to type letters in uppercase. When the indicator is off, the letters appear in lower case as you type.

Scroll Lock The Scroll Lock indicator lights to advise you that your screen's scrolling pattern has changed. When the indicator is off, the screen scrolls normally. This function is not available with all software programs.

About the Remote Control

The Windows® XP Media Center Edition features are controlled with the supplied remote control. The remote control can start and stop video recording and playback, select channels, and set viewing preferences. This section describes the basic functions of your remote control.

Remote Control



1 MUTE button

Press to turn off the sound. Press again to restore the sound.

2 Channel number buttons (0-9)

Press to select specific channels or enter text.

(Press **OK** to activate the channel selection.)

3 CLEAR button

Use as a backspace key to delete entered text.

4 REW button

Press to move media backward at two speeds.

FF button

Press to fast-forward media at three speeds.

REPLAY button

Press to move media backward, for example, one audio track, one DVD chapter, and seven seconds of TV or video.

SKIP button

Press to move media forward, for example, one audio track, one DVD chapter, and 30 seconds of recorded TV or video.

5 MY TV button

Press to change from the on-screen image to the TV.

MY MUSIC button

Press to view and listen to your music playlists.

MY PICTURES button

Press to view pictures or a slide show.

GUIDE button

Press to view the TV program guide for your area.

START button

Press to open the Media Center Start menu.

MY VIDEOS button

Press to view videos from your video collection.

6 LIVE TV button

Press to view TV in full-screen mode.

7 Directional arrows

Press the Up, Down, Left, and Right arrow keys to move the pointer on the screen.

OK button

Press OK to select the desired action or window option. If watching full-screen TV press OK to return to the previous channel. Press OK again to toggle channels.

8 BACK button

Press to return to the previous window

9 VOLUME button

Press to increase (+) or decrease (-) the volume.

10 STANDBY button

Press to place the computer in Standby mode to reduce power consumption. Press any key briefly to resume normal operation.

11 ENTER button

Press to stop recording.

12 REC button

Press to begin recording.

STOP button

Press to stop media playback.

PLAY button

Press to begin media playback.

PAUSE button

Press to pause media playback. Press again to resume playback.

13 DVD MENU button

Press to open the main menu on a DVD.

14 MORE INFO button

Press to view any available information about the selected media.

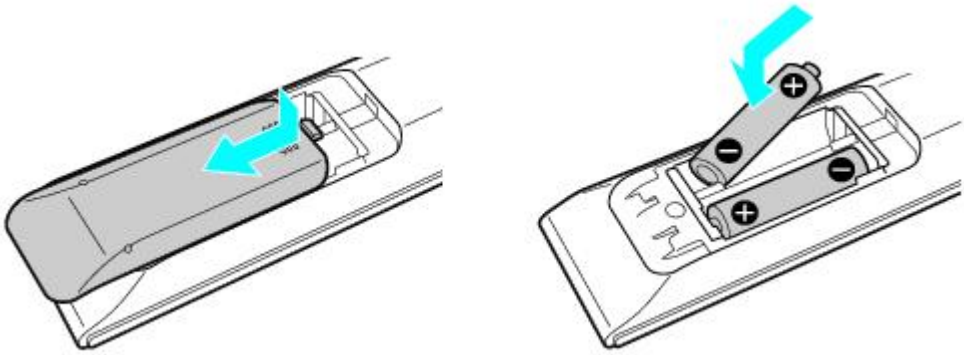
15 CHAN/PAGE button

Press to change, page up and down channels automatically (no number input required).

To set up the remote control

Insert two AA batteries (supplied) into the remote control as shown.

Inserting batteries into the remote control



If your remote control does not operate properly, you may need to replace the batteries. If your remote control is not being used for extended periods of time, remove the batteries to avoid possible damage from battery leakage.

Setting Up Your Computer

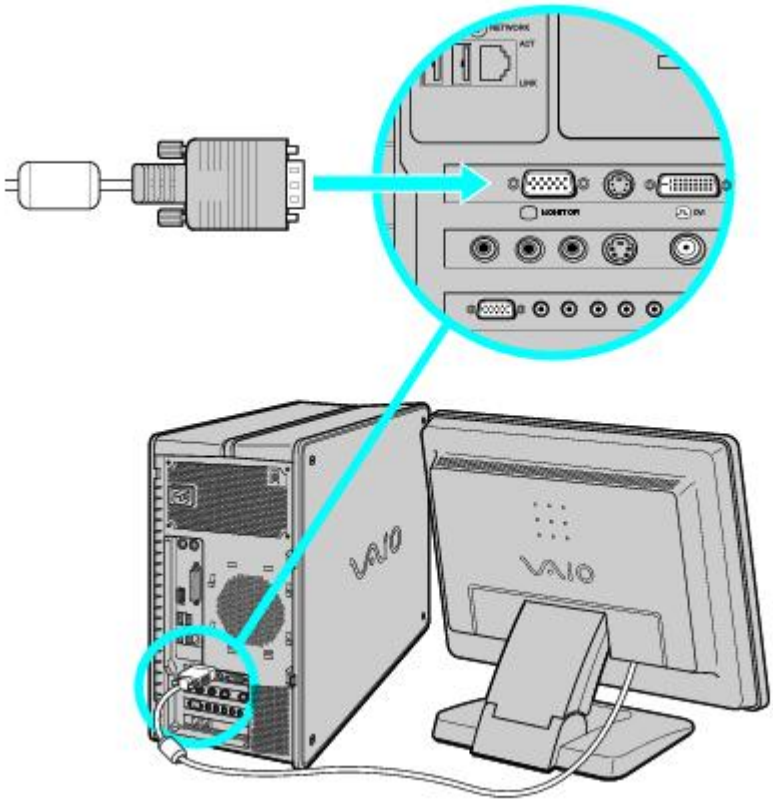
Your computer may not be equipped with all of the hardware features described in the section. The location of the controls, ports, and jacks may vary from the illustrations shown. See the online *Specifications* sheet for your system's specific hardware configuration.

- Connecting a Display (Monitor)
- Connecting the Speakers and Sub-woofer Unit
- Connecting the Keyboard and Mouse
- Connecting the Telephone and Modem cables
- Connecting the Power Cords
- Turning On your Computer
- Registering your Computer

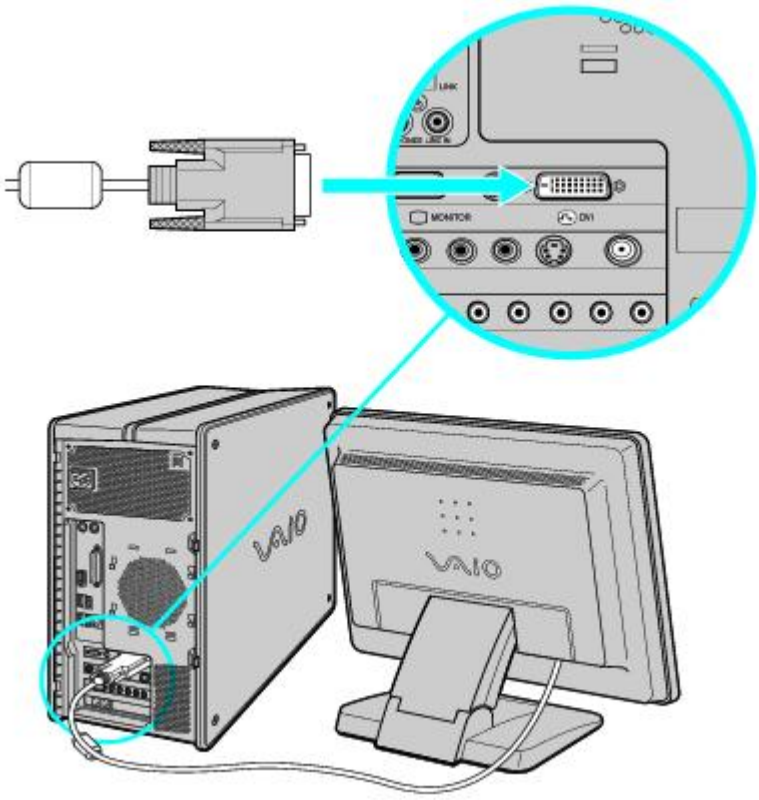
Connecting a Display (Monitor)

1. Plug the display's cable into the monitor port.
2. If necessary, plug the display's cable into the rear of the display.

To connect a display



To connect a DVI display

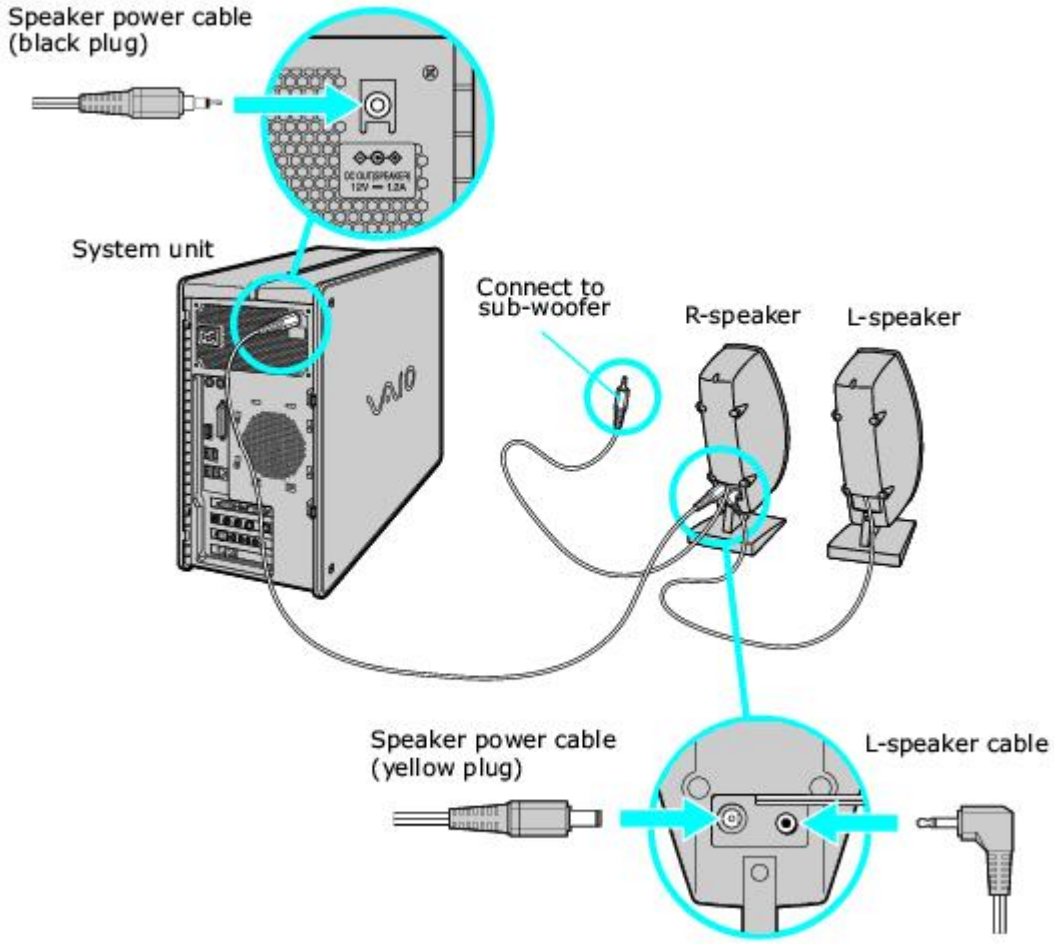


Install your equipment so that you can easily reach the power outlet in the event of an emergency.

Connecting the Speakers and Sub-woofer Unit

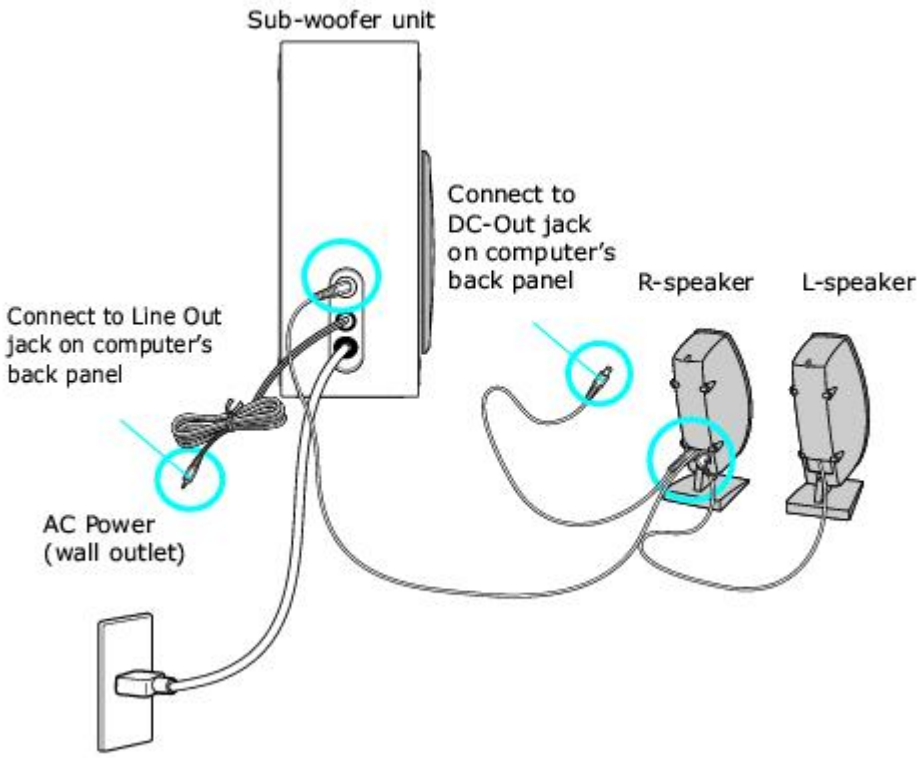
1. Plug the cable attached to the back of the left speaker into the L Out jack on the back of the right speaker.
2. Insert the yellow plug of the speaker power cable into the DC In jack (yellow) on the back of the right speaker.
3. Insert the black plug of the speaker power cable into the DC Out jack located on the back panel of your computer.

To connect the computer, speakers, and sub-woofer unit



4. Insert the RCA plug of the cable that is attached to the right speaker into the speaker jack, located on the left side of the sub-woofer unit.

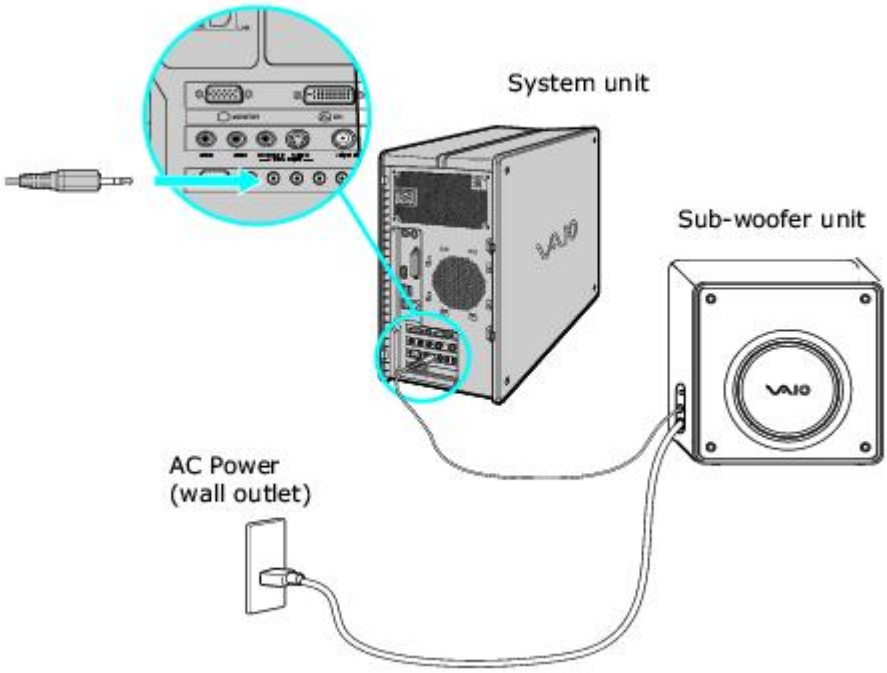
To connect the sub-woofer unit



5. Insert the RCA plug of the sub-woofer unit's cable into the Line Out jack, located on the back panel of your computer.

6. Plug the sub-woofer unit's power cord into a grounded AC wall outlet or power strip.

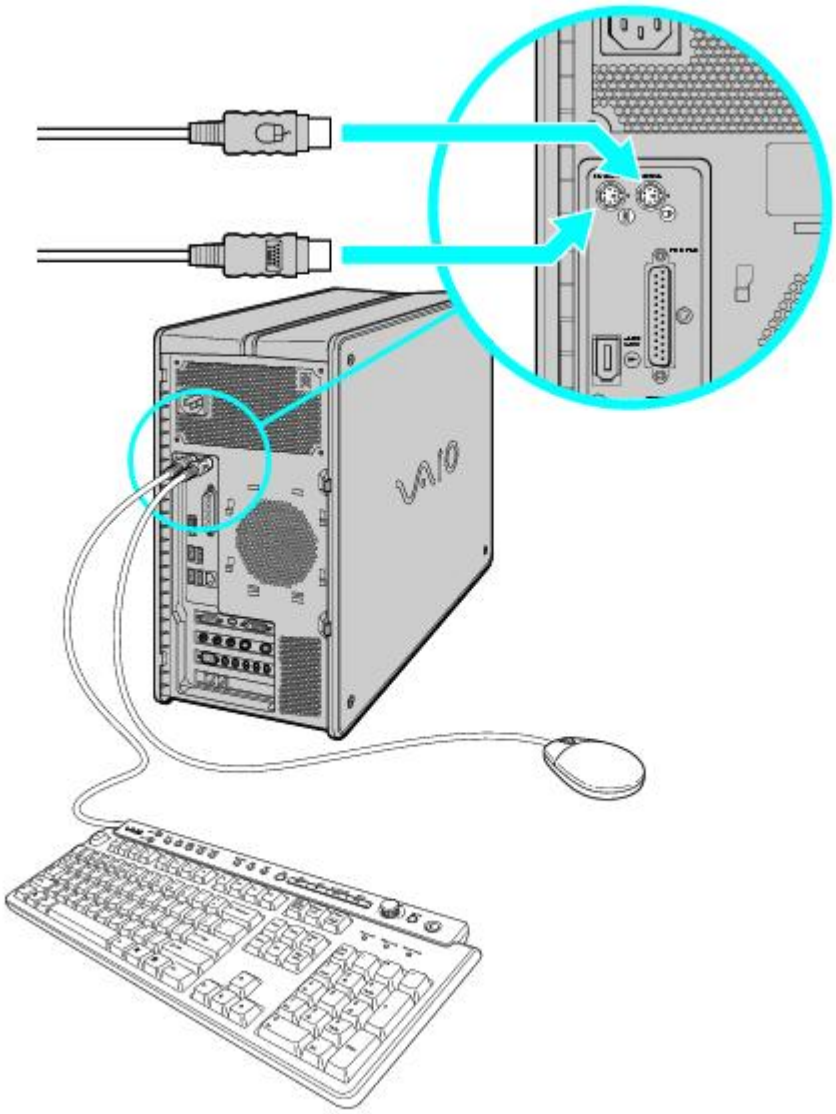
To connect the sub-woofer to the computer



Connecting the Keyboard and Mouse

1. Plug the keyboard cable into the keyboard port on the back of the computer.
2. Plug the mouse cable into the mouse port on the back of the computer.

To connect the keyboard and mouse



To use an optical mouse

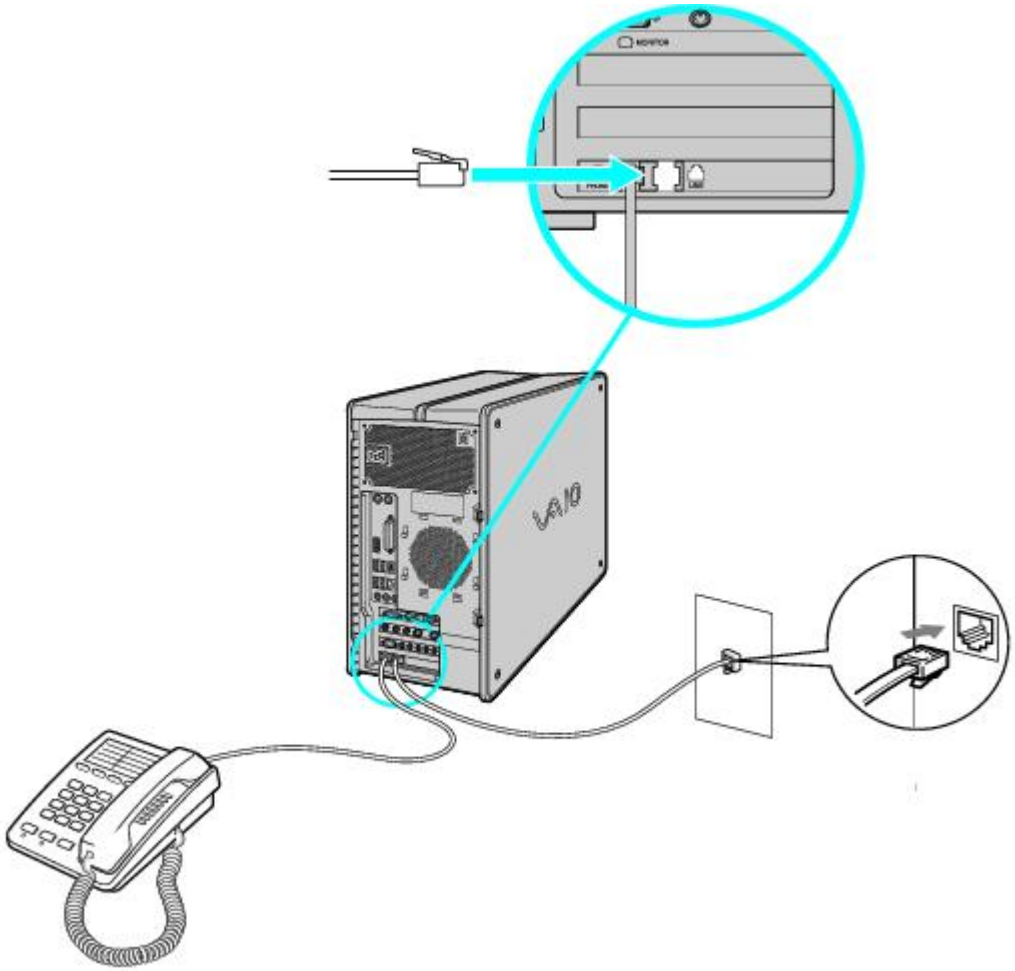
An optical mouse requires an ideal surface texture in order to provide precision pointing and tracking.

- Use surfaces such as plain paper, card stock, or fabric that have minimal repetitive patterning.
- Avoid surfaces such as mirrors, smooth glass, or magazines that have halftone printing.

Connecting the Telephone and Modem cables

1. Unplug your telephone from the wall jack and plug it into the telephone jack, located on the back panel of your computer.
2. Plug the modem cable (supplied) into the Modem line jack, located on the back panel of your computer.
3. Plug the other end of the modem cable into the wall jack.

To connect the telephone and modem cables

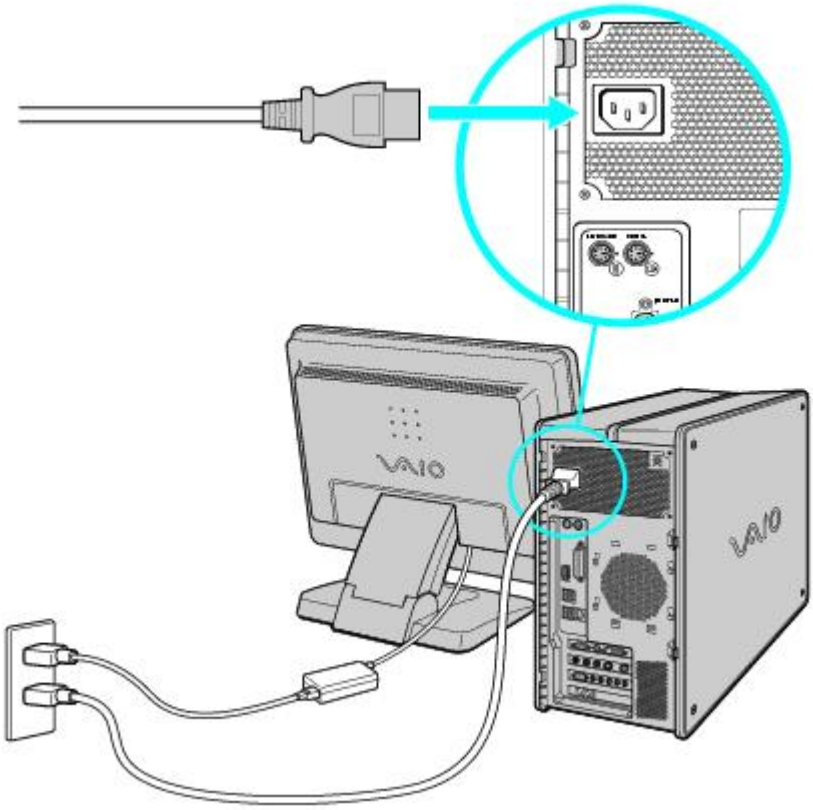


Your computer has a protective sticker covering the Ethernet port located on the rear panel. Connect 10BASE-T, 100BASE-TX or 1000BASE-TX cables to the Ethernet port. Using other cables or a telephone cable may result in an electric current overload that can cause a malfunction, excessive heat, or fire in the Ethernet port. For help on connecting to a network, see your network administrator.

Connecting the Power Cords

1. Plug the power cord into the back of the computer.
2. Plug both the display and computer power cords into a grounded AC wall outlet or a power strip.

To connect the power cords



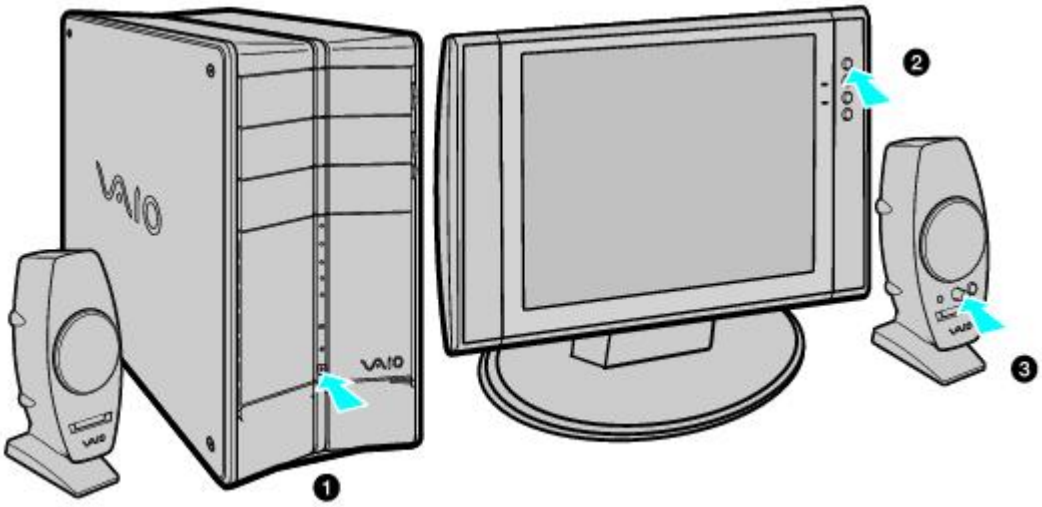
Turning On your Computer

When you start your system for the first time, your computer may detect new equipment and display a dialog box that prompts you to restart your computer. Respond to this prompt immediately.

Before turning on your computer, set up your Sony VAIO® Media Center cables and connections. For detailed instructions, see Setting Up Media Center

1. Press the power switch on the computer to turn on the power.
2. Press the power switch on the display to turn on the power.
3. Press the power switch on the right speaker to turn on the power.

To turn on your computer



Registering your Computer

Take advantage of Sony's commitment to quality customer support and receive these benefits by registering your computer:

- **Sony Customer Support —** Communicate with a Support Representative to troubleshoot problems you may be having with your computer.
- **Limited warranty —** Protect your investment. See the Limited Warranty Card for more details.

You are prompted to register your computer the first time you turn on the unit. Follow the on-screen instructions to complete the registration process. If you are not able to register your computer during the first session, you are provided with additional registration opportunities later.

Turning Off your Computer

Follow these steps when you are ready to turn off your computer for an extended period of time.

⚠ **To avoid loss of data, do not use the Power button to turn off the computer.**

To turn off your computer

1. Click **Start** in the Windows taskbar, then select **Turn Off Computer**.

   The Turn Off Computer dialog box appears.

2. Select the **Turn Off** option.

   ✍ Respond to any prompts about saving your documents.

3. Wait for your computer to turn off automatically—the power indicator light turns off.

4. Turn off any peripheral devices connected to your computer.

   ✍ If you plan to turn off your computer for a short period of time, use Stand by mode.

About the power button

If your system stops responding, press and hold the Power button for more than six seconds to force your system to shut down. You may need to repeat this procedure if your system does not shut down on the first attempt.

About Media Center

Welcome to a new and exciting experience in home entertainment, with your VAIO Digital Studio® computer and the Microsoft® Windows® XP Media Center Edition. Your new computer and the Media Center bring together all of your entertainment sources — TV, VCR, music, pictures, and DVD player — into one location that is easily accessed with a Media Center remote control, a mouse, or a keyboard.

- Microsoft Windows Media Center Edition
- Your VAIO Digital Studio Computer and Media Center

Microsoft Windows Media Center Edition

Microsoft® Windows® Media Center Edition combines the multimedia features of a personal computer with the convenience of a home entertainment center. Media Center enables you to view, organize, store, and browse your photos, video/movie libraries, music playlists, and recorded TV programs, while running other software programs.

Media Center enables you to perform many functions, such as:

- Viewing and recording TV programs
- Playing CDs, DVDs, and digital videos
- Creating music playlists and listening to music files
- Viewing digital photos individually or as a slide show with background music
- Enjoying TV, DVDs, or your favorite music, while performing other tasks on your computer

Your VAIO Digital Studio Computer and Media Center

Your VAIO Digital Studio® computer compliments this exceptional operating system with preinstalled multimedia software programs, superior graphics and audio capability, and a DVD±RW drive that burns and plays DVD and CD media.

Your computer comes equipped with features that enhance Media Center. You can:

- Set up a home network to share media content
- Edit and organize digital images
- Save your favorite recorded TV programs to DVD media
- Play and edit your home videos
- Create DVDs by capturing video content straight from a digital video device
- Burn music files to CD media

Setting Up Media Center

Your VAIO Digital Studio® computer is equipped with Microsoft® Windows® XP Media Center Edition, to enhance your computing experience. Media Center provides you with a wide range of TV, DVD, and video viewing, as well as music recording and playback. This section describes how to set up your TV, set-top box, and other equipment.

- Setting Up TV Connections
- Connecting a Cable or Satellite Set-top Box
- Connecting the Remote Sensor
- Setting Up Additional Equipment

Setting Up TV Connections

The best method of connecting your computer, TV monitor or display, and TV programming access, is determined by the type of cable service connection available in your home. Your computer's hardware configuration may vary from the illustrations shown in this section. See the online Specifications sheet for details about your computer's hardware configuration.

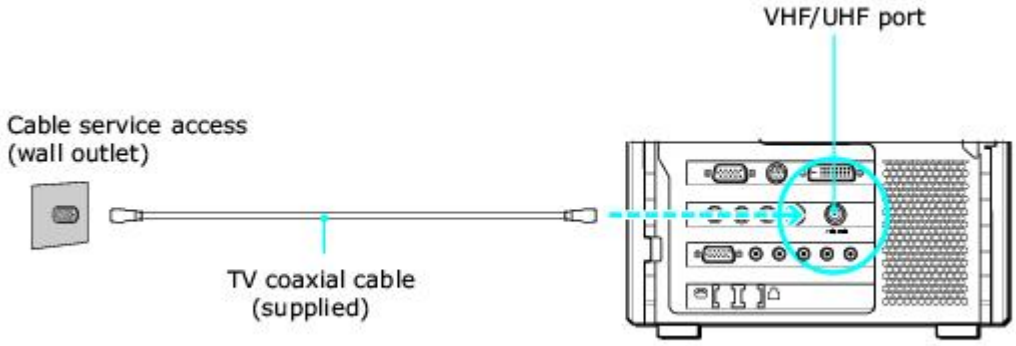
Your VAIO Digital Studio ® computer is supplied with certain video cables. Depending on your in-home cable access, you may require extra cables, adapters or connection equipment not supplied with your computer.

Connecting to standard cable access (CATV)

Option 1

1. Connect one end of the TV coaxial cable (supplied) to your cable service access.
2. Connect the other end of the TV coaxial cable to the VHF/UHF port on the back panel of your computer.

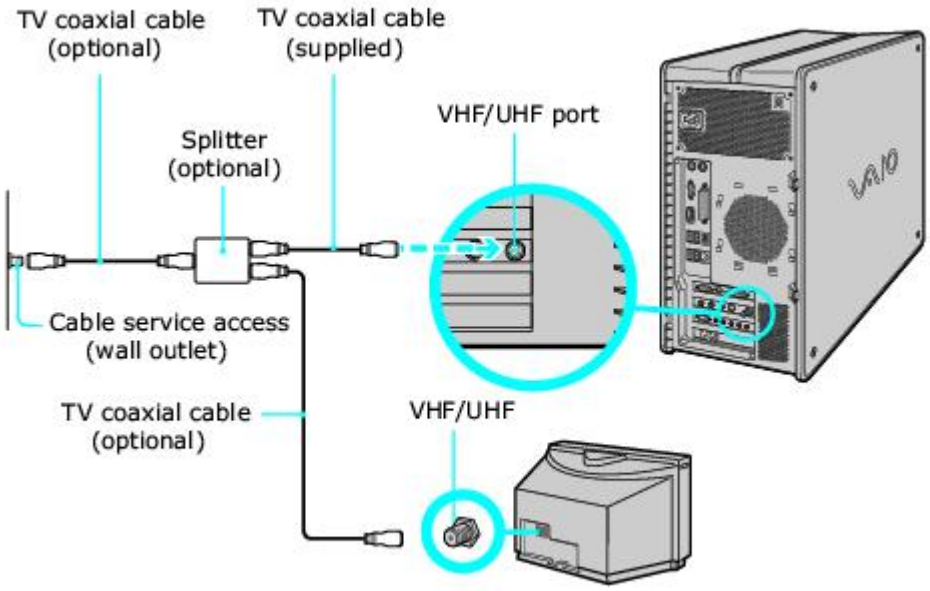
To connect in CATV mode (Option 1)



Option 2

1. Connect one end of a TV coaxial cable (optional) to your cable service access. Connect the other end to the single-connection side of a splitter adapter.
2. Connect the TV coaxial cable (supplied) to the double-connection side of the splitter adapter. Connect the other end to the VHF/UHF port on the back panel of your computer.
3. Connect a third TV coaxial cable (optional) to the double-connection side of the splitter adapter. Connect the other end to the VHF/UHF port on the back of your TV monitor or display.

To connect in CATV mode (Option 2)



Connecting to a standard antenna (air) system

You can connect your computer to an indoor/outdoor antenna system, using Option 1 or 2 from the previous section, Connecting to standard cable access (CATV) The antenna system in your home may require a VHF/UHF RF combiner/transformer (optional) to connect your computer and the indoor/outdoor antenna system.

If you are connecting to an indoor/outdoor antenna system, you may need to reorient the antenna for better reception.

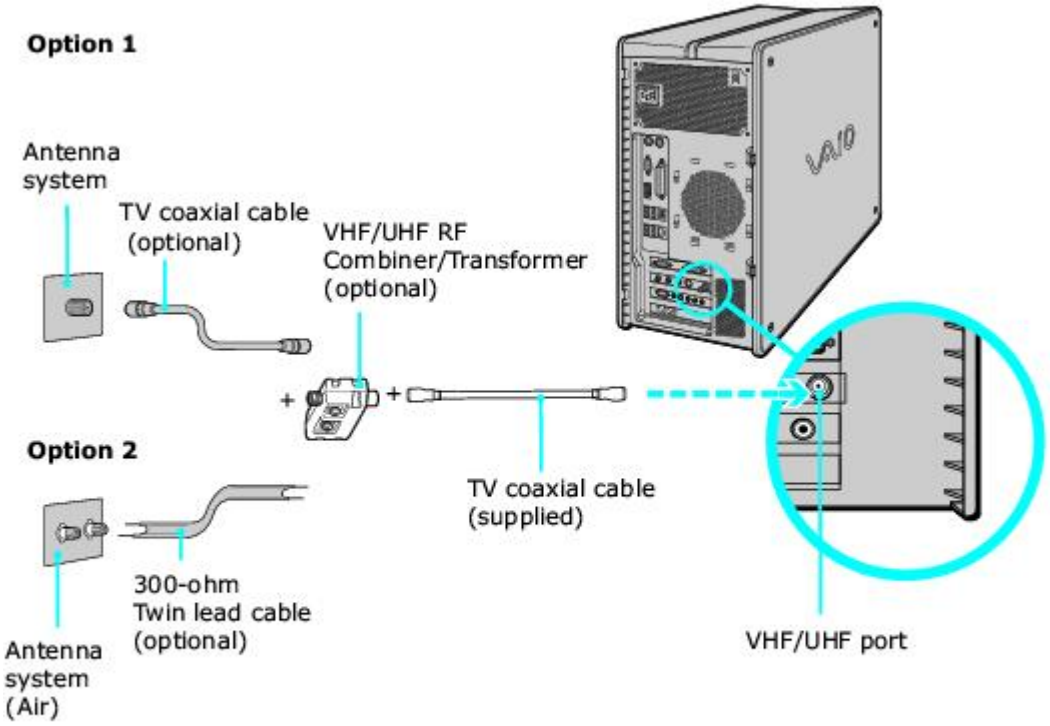
Option 1

1. Connect one end of a TV coaxial cable (optional) to your antenna outlet. Connect the other end to a VHF/UHF RF combiner/transformer (optional).
2. Connect the TV coaxial cable (supplied) from the combiner/transformer to the VHF/UHF port on the back panel of your computer.

Option 2

1. Connect both ends of the antenna's twin lead cable to the screw-type grips on the combiner/transformer.
2. Connect the TV coaxial cable (supplied) from the combiner/transformer to the VHF/UHF port on the back panel of your computer.

To connect in standard antenna mode (air)



Your VAIO Digital Studio® computer is supplied with certain video cables. Depending on your in-home cable access, you may require extra cables, adapters or connection equipment not supplied with your computer.

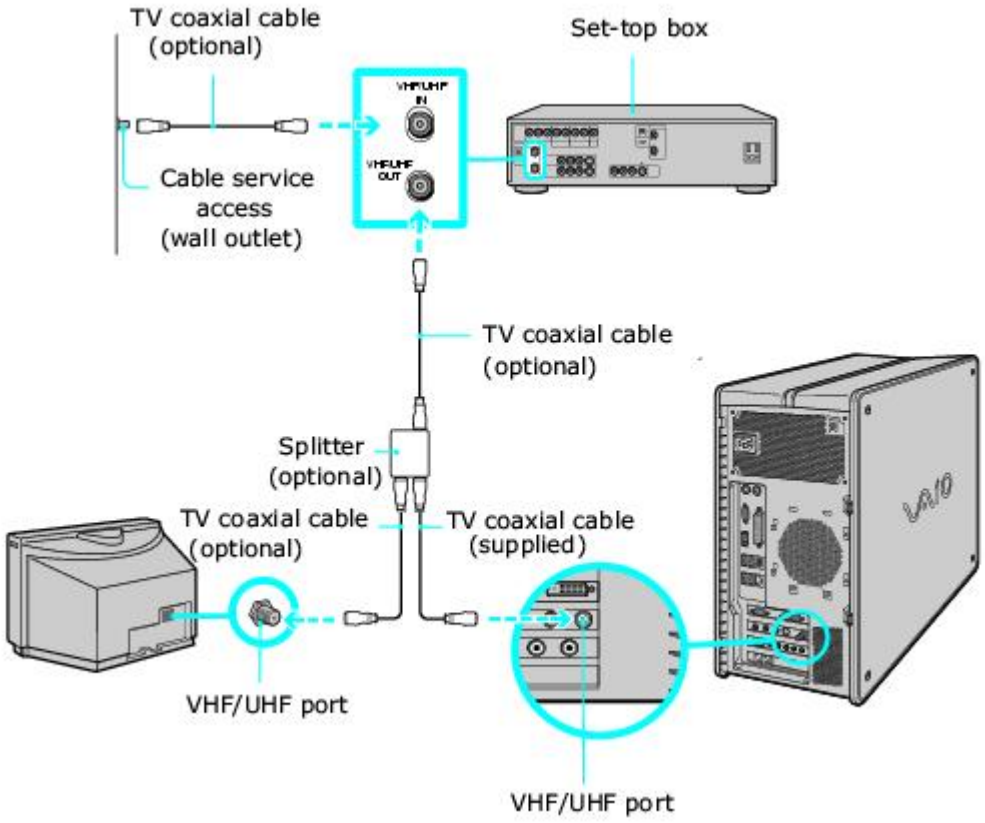
Connecting a Cable or Satellite Set-top Box

You can connect your computer to cable or satellite service that requires a set-top box.

Option 1

1. Connect one end of a TV coaxial cable (optional) to your cable service access. Connect the other end to the In jack on the back panel of your set-top box.
2. Connect a second TV coaxial cable (optional) to the Out jack on your set-top box. Connect the other end to the single-connection end of a splitter adapter (optional).
3. Connect a third TV coaxial cable (supplied) to the double-connection end of the splitter adapter. Connect the other end to the VHF/UHF port on the back panel of your computer.
4. Connect a fourth TV coaxial cable (optional) to the double-connection end of the splitter adapter. Connect the other end to the VHF/UHF port on the rear of your TV monitor or display.

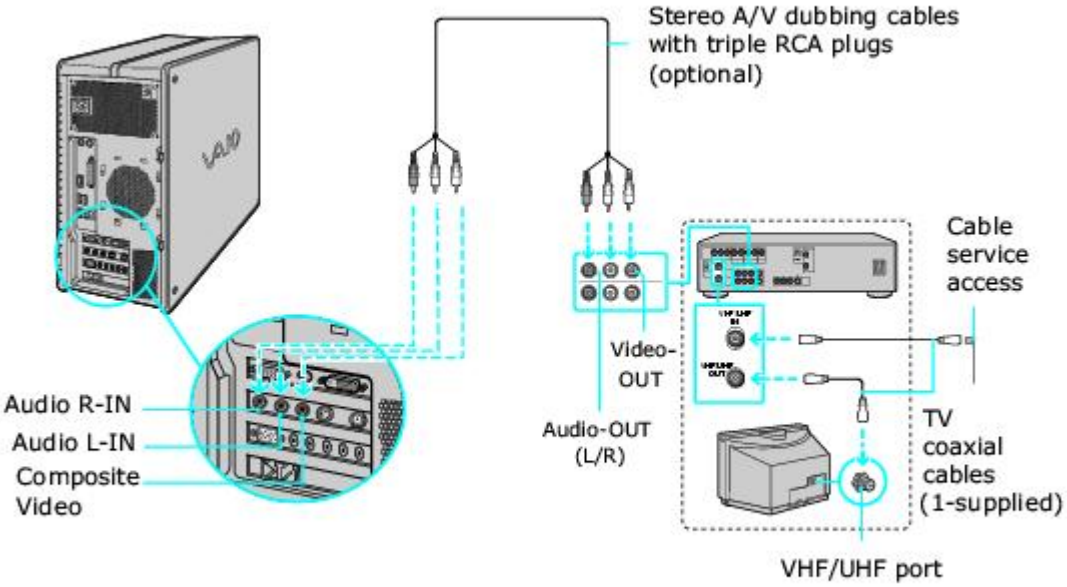
To connect in set-top box mode (Option 1)



Option 2

1. Connect one end of the TV coaxial cable (supplied) to your cable service access. Connect the other end to the In jack on the back panel of your set-top box.
2. Connect a second TV coaxial cable (optional) to the Out jack on your set-top box. Connect the other end to the VHF/UHF port on the rear of your TV monitor or display.
3. Connect one end of the stereo A/V dubbing cables with triple RCA jacks (optional) to the Video Out and Audio-OUT (L/R) jacks on the back panel of your set-top box, matching the plug and jack colors.
4. Connect the other RCA jacks of the stereo dubbing cable into the Audio-R (IN), Audio-L (IN), and Composite video (IN) jacks on the back panel of your computer, matching the plug and jack colors.

To connect in set-top box mode (Option 2)



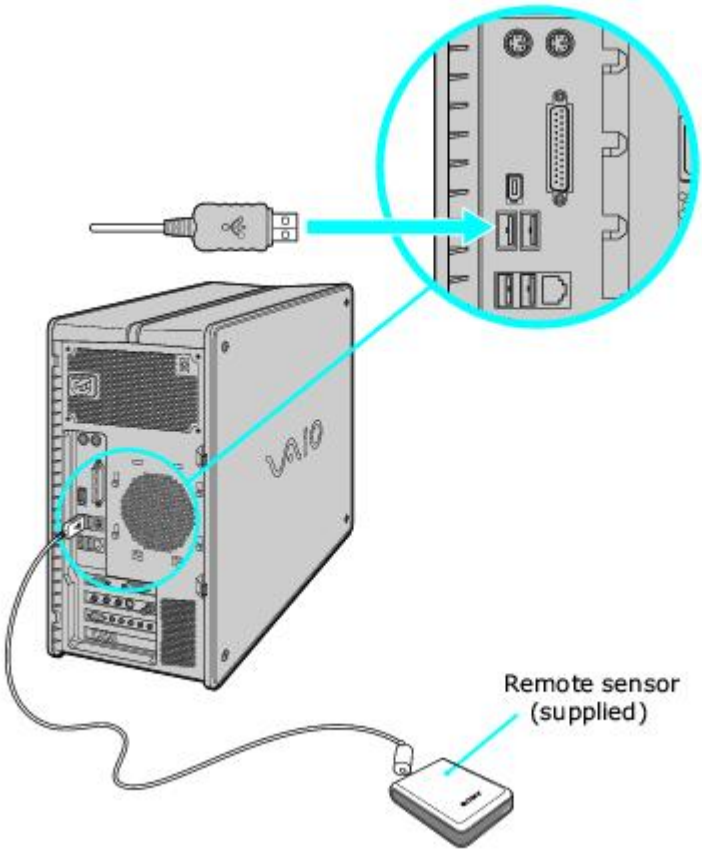
✍ You can connect your computer to a set-top box using an S-video cable (optional) instead of a stereo A/V dubbing cable (optional). See Setting Up Additional Equipment.

Connecting the Remote Sensor

The remote sensor communicates with the Media Center remote control, enabling you to change channels and to perform other functions. If you are using a cable or satellite set-top box, you can connect the remote sensor control to the remote sensor, which enables you to control the set-top box with the remote control.

1. Connect the remote sensor unit to a USB port located on either the front or back panel of your computer. Place the remote sensor in a position that enables it to communicate with your remote control.

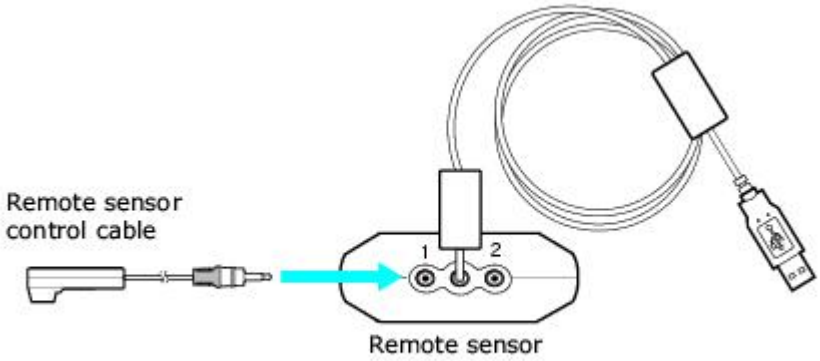
Connecting the remote sensor (back panel)



2. Plug the remote sensor control's cable into a jack (1 or 2) located on the back of the remote sensor.

When you attach the remote control sensor to a cable or satellite set-top box, you can control the set-top box functions with your remote control.

Connecting the remote sensor and remote sensor control

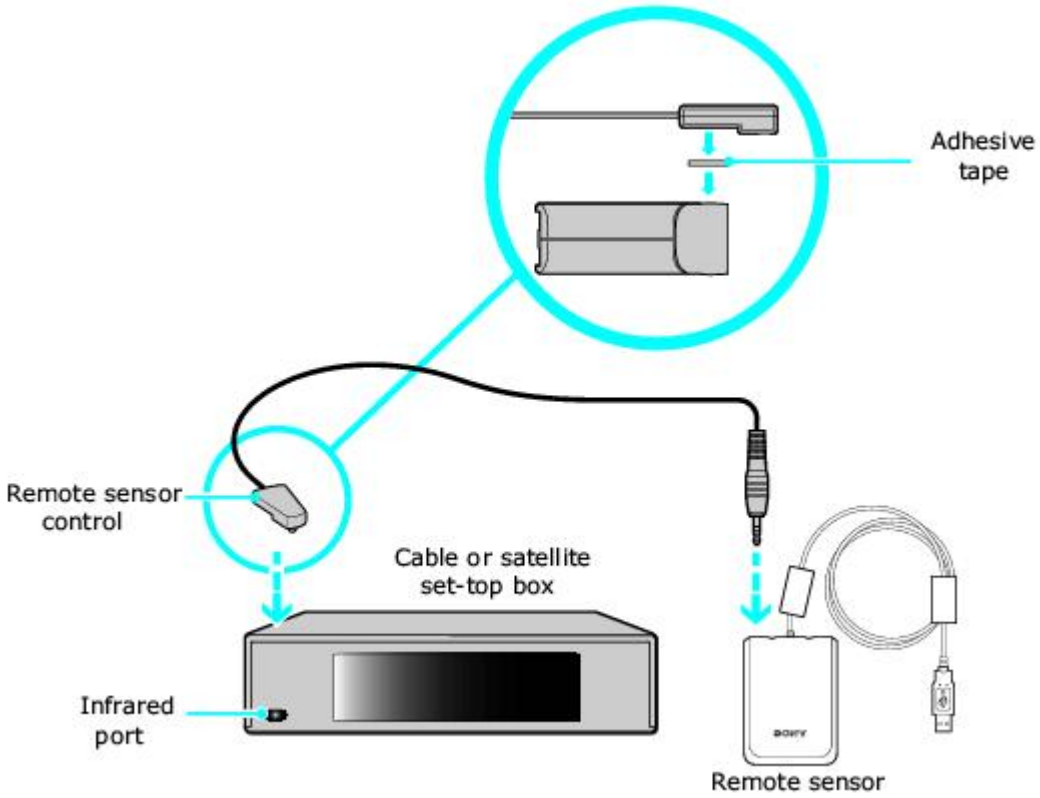


3. Place the remote sensor control above the set-top box's infrared port:

    1. Attach the double-sided adhesive tape to the top of the set-top box.

    2. Press the remote sensor control onto the tape, ensuring that the front edge extends over the front of the box, as shown in the following illustration.

Connecting the remote sensor control cable to a cable or satellite set-top box



✍ The remote sensor unit must be visible in a line-of-sight with your remote control in order to function properly.

Setting Up Additional Equipment

This section illustrates how to set up additional equipment with your VAIO Digital Studio® computer.

Connecting a VCR or camcorder with an audio cable

Your computer has both audio and video connection capability. You can locate the appropriate connections behind the lower bottom panel on the front of the computer or on the back panel. You can connect a VCR or camcorder, using the composite audio In jacks and video ports.

1. Connect a dual audio cable (optional) to the composite audio L and R In jacks, located on the either the front or rear panels of your computer.
2. Connect the other ends of the dual audio cable to your VCR or camcorder.

Connecting devices with an S-video or video cable

Your VCR or camcorder may have either standard video or S-video connection capability.

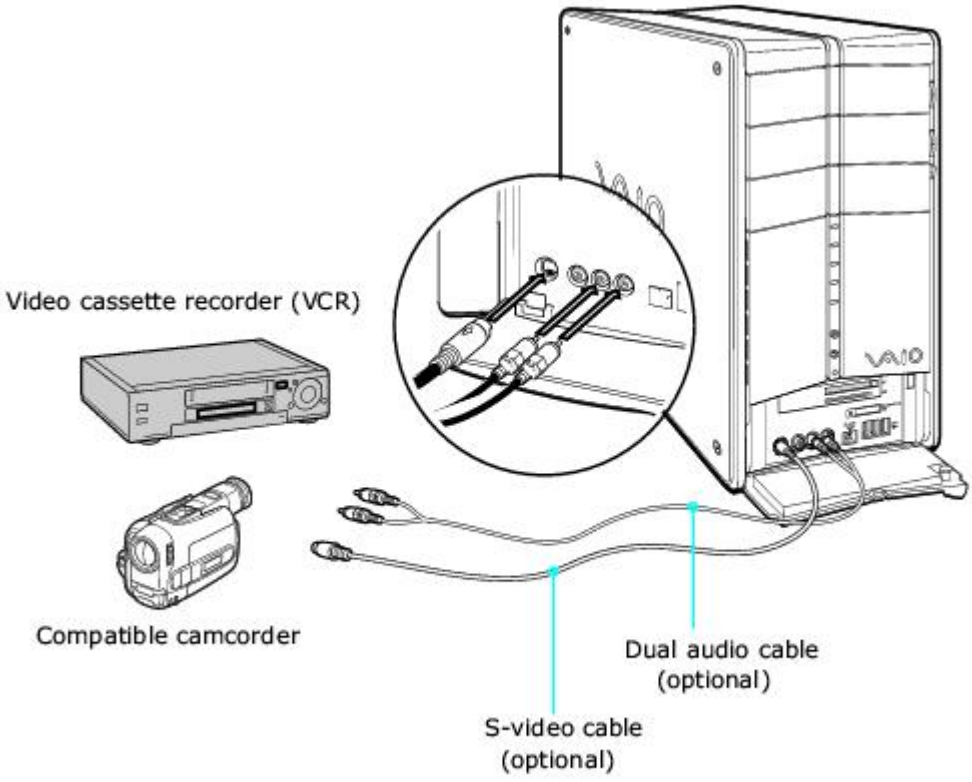
Option 1

1. Connect an S-video cable (optional) directly into the S-video jack on either the front or back panel of your computer.
2. Connect the other end of the S-video cable into the appropriate port on your compatible VCR or camcorder.
3. Connect an audio cable with double RCA plugs at each end (optional) into the composite audio L and R jacks.

Option 2

1. Connect a stereo A/V dubbing cable with triple RCA plugs at each end (optional) directly into the composite video port, composite audio L and R jacks, located on either the front or back panel of your computer.
2. Connect the other ends of the stereo A/V dubbing cable into the appropriate jacks on your compatible VCR or camcorder.

To connect a VCR or camcorder (Option 1)



Connecting a TV monitor (display)

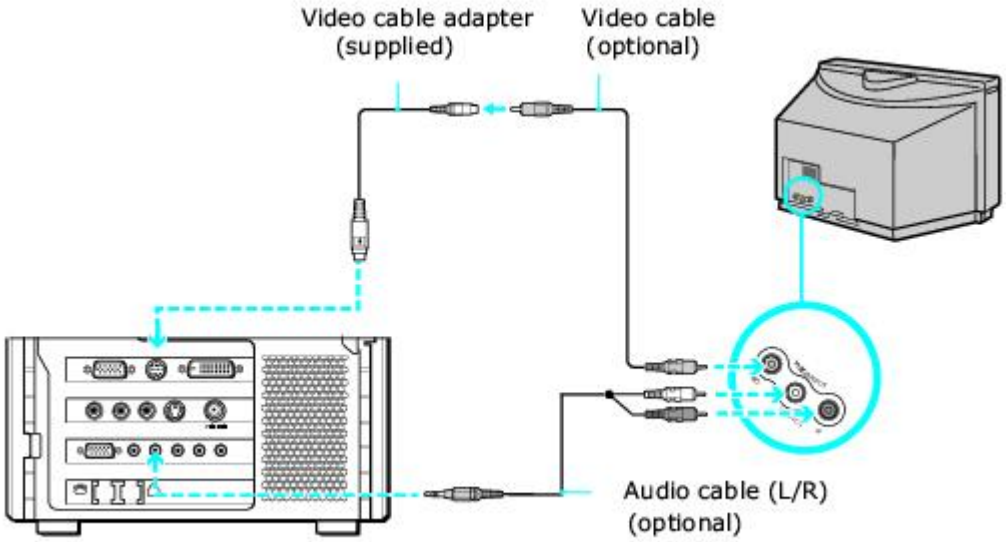
1. Connect the video connector end of the video cable adapter (supplied) to the TV Out (S-video/video) jack on the

back panel of your computer.

2. Connect the jack end of the video cable adapter to either end of a video cable (optional). Connect the other end of the video cable to the Video-In jack on your TV monitor or display, located on either the side or back of your TV monitor/display.

3. Connect the single-jack end of an audio cable (optional) to the Line In jack on the back panel of your computer. Connect the double-jack end of the audio cable to the Audio-In (L/R) on your TV monitor or display. (The Audio-In jacks may be located on the side or rear of your TV monitor/display.)

Connecting a TV monitor or display



✍ The video adapter is not needed, if you use an S-video cable to connect your TV to the computer's TV out (S-video/video) jack.

Media Center — Getting Started

Use the Media Center setup wizard for a quick and easy activation of all the features of Media Center.

- Getting Started with Media Center
- Using Media Center
- Starting the Media Center Setup Wizard

Getting Started with Media Center

There are several tasks to complete before you are ready to use Media Center. Read this checklist before you use the Media Center program, to enable full use of all the features.

- Set up your VAIO® Media Center computer, accessories, and peripheral equipment correctly, following the instructions in the section, Setting Up Your Computer.
- Evaluate your home environment to determine the best way to connect your TV, set-top box (cable or satellite), Internet, and computer. See the section, Setting Up Media Center.
- Establish an active Internet connection.
- Connect your computer to the TV signal source.
- Insert two AA batteries into the Media Center remote control.
- Plug the remote sensor unit into a USB port on your computer and place it in a location that enables direct communication with the remote control.
- Connect the remote sensor control between your cable or satellite set-top box, and the remote sensor unit.

An Internet connection and TV signal source are not required to use some features, but Sony recommends using these options to fully experience Media Center.

Using Media Center

You can start Media Center and switch between the different functions by pressing a button on the remote control, using your computer's keyboard, or clicking the mouse. You can also record TV, watch videos, play music, and use other software programs.

Starting Media Center using the remote control

1. Point the remote control at the remote sensor and press .

   ✍ The remote control must be used within 26 feet (8 meters) of the front of remote sensor unit.

2. Use the arrow buttons on the remote control to navigate and select menu items. Press the **OK** button to activate your selection.

Starting Media Center using your keyboard and mouse

1. Click **Start** from the Windows taskbar and select **Media Center** from the **Start** menu. The **Media Center** main window appears.

2. Use the directional arrows on the keyboard, or move the mouse, to navigate and select menu items. Press **Enter** on the keyboard or left-click the mouse to activate your selection.

Media Center Start

1 Media Center Start Menu

Returns Media Center to the Start menu.

2 Back button

Returns Media Center to the previous window.

3 Media Center Help

Opens the Media Center Help guide.

4 Minimize button

Minimizes the Media Center window and places the Media Center icon and name on the taskbar.

5 Maximize button

Enlarges the View window to full-screen.

6 Close Window button

Closes the Media Center window.

7 My Videos

Plays and sorts home videos.

8 My Pictures

Displays and sorts digital images and slide shows.

9 My TV

Plays and records TV programs.

10 My Music

Plays and sorts music files and music CDs.

11 Create DVD

Creates and writes videos to DVD media.

12 More Programs

Displays additional programs that are available through Media Center.

13 Scroll Arrows

Moves the Start menu items up and down.

14 Settings

Sets or changes your Media Center preferences, including parental controls, recording settings, and more.

15 Media Playback Controls

Plays, records, rewinds, replays, and stops selected media.

16 Inset Window

Displays current playback window.

17 Log Off button

Logs off from this computer, or enables you to switch users.

Exploring Media Center

You can use several options to explore Media Center, switch screens, locate controls, and start functions.

To select items in Media Center

Selected items, such as folders, files, or menu options, are outlined with a green border.

- Use the arrow buttons on the remote control to select an item, and then press **OK** to activate your selection.
- To switch between inset window and full screen modes, use the arrow keys on the remote control to select the inset window, and then press **OK**.

To switch between Media Center and the desktop

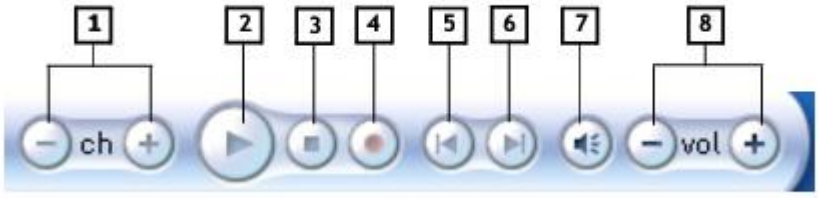
You can view the desktop without closing Media Center.

- Select the **Minimize** button with your remote control or mouse to display the desktop.
- To return to Media Center, press on the Windows® taskbar.

To display or hide the Media Center controls

- You can use your mouse to display the Media Playback Controls.
- You can use the remote control to hide the Media Playback Controls.

Media Center — Media Playback Controls



1 Channel Up and Down buttons

Changes the TV channel up (+) or down (-).

2 Play button

Plays the selected media.

3 Stop button

Stops playback of selected media.

4 Record button

Records TV programs and stores them on the hard disk.

5 Replay/Rewind button

Moves TV programs and selected media backward.

6 Skip/Fast Forward button

Moves selected media ahead.

7 Mute button

Turns computer sound off.

8 Volume Up and Down buttons

Increases (+) and decreases (-) sound.

Starting the Media Center Setup Wizard

The setup wizard requires you to provide certain information about your equipment and home environment. To make the setup process easier, be prepared to:

- Log on to Windows® operating system as the administrator. For more information, go to the VAIO Help and Support Center.
- Establish a working Internet connection to enable the download of your local television program guide.
- Provide your Zip code or Postal Code.
- Provide the name of your TV programming provider or the name of your subscription package, if using cable or satellite service.
- Identify the brand name for your set-top box, if your TV service requires one.

To get assistance with the Media Center setup wizard at any time during the setup process, click **Help** button.

Using the setup wizard

The first time you start the Media Center, a setup wizard appears. Follow the steps in Media Center setup wizard to properly activate and configure Media Center. The setup wizard tests your remote control, configures your Internet connection and TV broadcast signal, and sets up the Television Program Guide for your local area.

Media Center - Getting Started

MediaCenter
Getting Started
This wizard helps you set up Media Center to watch TV and record TV programming, in four steps:
1 Check Remote Control
2 Set up Internet Connection
3 Set up Television Signal
4 Set up Television Program Guide
Help
Back
Next
Cancel

If you decide to skip any of the setup wizard steps, you can complete them later in the Settings window in Media Center.

- **Check Remote Control —** The Media Center uses this interactive step to verify that the remote control is communicating with the remote sensor. The LED on the remote control blinks when a button is pressed.

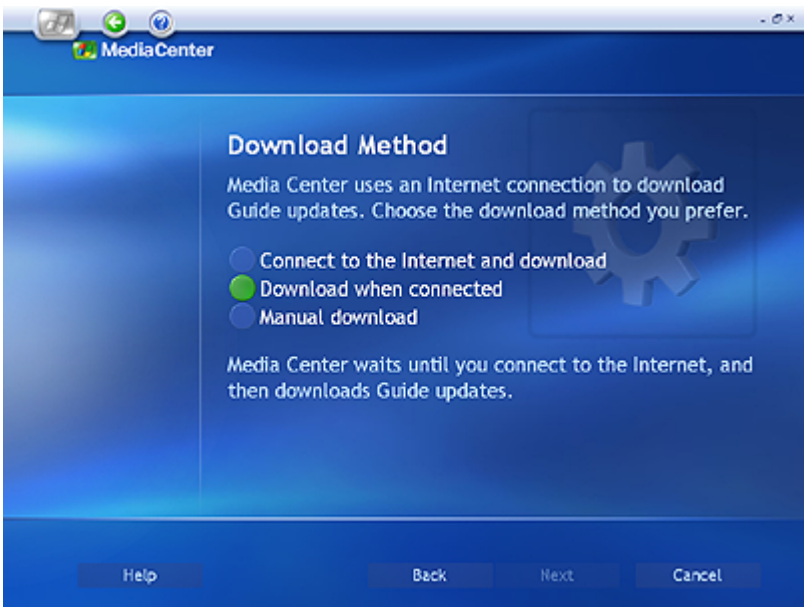
Media Center - Check Your Remote Control

MediaCenter
Check Your Remote Control
Point your Media Center remote control at the remote sensor and press the number buttons. You should see the corresponding buttons react in the graphic below.
Remote Control 1
Connection 2
TV Signal 3
Program Guide 4
1 2 3
4 5 6
7 8 9
0
My remote control is working properly
I'm having problems with my remote control
Help
Back
Next
Cancel

Verify that your remote control has two AA batteries installed.

- **Set up Internet Connection** — The Media Center setup wizard uses an active Internet connection to set up and update your local Television Program Guide. If you have already established an Internet connection, you are asked to choose a download method. Select the appropriate download option, and follow the onscreen instructions.

Media Center - Download Method


MediaCenter
Download Method
Media Center uses an Internet connection to download Guide updates. Choose the download method you prefer.
Connect to the Internet and download
Download when connected
Manual download
Media Center waits until you connect to the Internet, and then downloads Guide updates.
Help
Back
Next
Cancel

✍ The Internet connection provides information about your music CDs and other media. If you skip this step, you can complete them later in the Settings window in Media Center.

- **Set up Television Signal** — The Media Center setup wizard verifies that your computer is receiving the correct TV signal and local TV Program Guide. If you are using a cable or satellite set-top box, this step programs your remote to the box, enabling you to view premium channels.

Media Center - Choose Your TV Signal

✍ Verify that your TV signal source is connected to the computer.

- **Set up Television Program Guide** — The Media Center setup wizard enables your computer to automatically connect to the Internet to update your Television Program Guide. The Guide displays available channels, network, and program information.

Media Center - Program Guide

MediaCenter
Program Guide
The Guide provides TV listings to help you find, watch, and record TV shows. If you use the Guide, anonymous information to improve the quality and accuracy of the service will be sent to Microsoft.
Remote Control 1
Connection 2
TV Signal 3
Program Guide 4
View the Guide privacy statement
Do you want to use the Guide?
Yes
No
Help
Back
Next
Cancel

The message, "No data available" is displayed in the Television Program Guide when:

- The Guide has not been set up.
- You have not agreed to the Television Program Guide's Terms of Service.
- The Media Center cannot connect to the Internet and download new Guide information.
- Guide information is not available for your location, from the Microsoft TV listings service provider.
- Media Center has determined that the existing Guide information on your computer is expired or corrupted.

Media Center — My Videos

Play digital videos using your Media Center remote control or computer keyboard. You can store your videos in folders for your own use, or place them in the Shared Videos folder for all user accounts to access.

- About My Videos
- Viewing Videos
- About DVgate Plus Software
- Selecting Save Formats For Video Files

About My Videos

My Videos enables you to play your home movies and digital videos using the Media Center remote control or the keyboard. You can organize, store, and play videos that you have created, downloaded from the Internet, or recorded from TV.

From the My Videos window, you can perform many tasks, such as:

- Playing your favorite home videos
- Organizing your videos by title or date
- Storing video files in the My Videos folder for your own use
- Storing video files in the Shared Videos folder to share across all computer user accounts
- Viewing the videos created with the DVgate Plus software program.

Storing video files

Media Center stores your videos in these locations:

- The My Videos folder
- The Shared Video folder

The contents of these folders appear on the My Videos window. If you want to see a video file or recorded TV program on the My Videos window, move the files into either the My Videos or Shared Video folders.

Your saved video files appear as folder and thumbnail icons.

To open the My Videos folder

1. Click **Start** on the Windows® taskbar, and point to **My Computer**.

   The **My Computer** window appears.

2. In the left panel under **Other Places**, click **My Documents.**

3. In the right panel, click **My Videos**.

   The **My Videos** window appears, displaying your available video files.

The **My Videos** folder is created after you start the Media Center software program and then start the **My Videos** feature.

To open the Shared Video folder

1. Click **Start** on the Windows taskbar, and point to **My Computer**.

   The **My Computer** window appears.

2. In the left panel under **Other Places**, click **Shared Documents**.

   The **Shared Documents** window appears.

3. In the right panel, click **Shared Video**.

   The **Shared Video** window appears.

Viewing Videos

After placing your videos in the My Videos or Shared Video folders, you can play them from the My Videos window.

To play videos

1. Point the remote control at the remote sensor, and press the **MY VIDEOS** button.

   The **SHARED VIDEO** window appears.

2. Select **My Videos** or **Shared Video** to browse through your video libraries or sort your video libraries by name or date.

3. When you locate the desired video file, click on the file to begin playback.

About DVgate Plus Software

DVgate Plus software program enables you to import video from an external device or from recorded TV contents created with Media Center's My TV feature. You can edit the video and export it into specific folders to play back with My Videos.

The DVgate Plus software program also enables you to import recorded TV programs from Media Center, make edits, and export them back to Media Center.

For details on how to connect your digital video camera to your computer, refer to the documentation supplied with your camera or see the online VAIO® Computer User Guide.

Accessing DVgate Plus software Help

The information provided in this section are intended to highlight a few features of the DVgate Plus software program. For details on using this software, see the Help.

To access the DVgate Plus software Help:

1. Click **Start** on the Windows® taskbar, and point to **All Programs**
2. Point to **DVgate Plus,** and then click **DVgate Plus Help**.

Capturing digital video from a connected digital video device

1. Click **Start** on the Windows® taskbar, and point to **All Programs**
2. Point to **DVgate Plus,** and then click **DVgate Plus**.
3. Click **Cancel** to close the **Mode Select Guide**.
4. Confirm that the **Capture Mode** is active. If you are in **Output Mode**, click **Go to Capture Mode**.
5. Click **DV**.
6. Select the **Auto Capture** tab.
7. Review the tape's contents using **Review Tape** and **Control external device**.
8. Select a format for the files in the **Capture Settings** window.

   To display **Capture Settings**, click the **Settings** menu and select **Capture**.
9. Click **Capture**.

   To change the file destination folder, click **Browse** and locate the desired destination folder.
10. Type a working file name. By default, DVgate Plus software automatically adds a 3-digit number to your file name.
11. Click **OK**.
12. Video capture begins and progress is displayed in the **DV - Auto Capturing** window.
13. When the capture is finished, view the results in the **Auto Capture Results** window.
14. Confirm the displayed contents, and click **OK**.
15. To save the Scene List, click **Save**.
16. Type in the final file name and click **Save**.

If you want to see your captured video using Media Center, move the files into the My Videos or the Shared Video folders.

Transcoding/editing video content

1. After starting DVgate Plus software, click **Cancel** to close the **Mode Select Guide**.
2. Confirm that the **Output Mode** is active. If you are in **Capture Mode**, click **Go to Output Mode**.
3. Click **HDD Output Device**.
4. From the **Clip List**, select the clips you want to edit.
   - Select multiple clips by holding down the Ctrl key and clicking on the desired clips.
   - Rearrange clip order by dragging the clip to the desired location in the Clip List.
   - To select consecutive clips:
     1. Click the desired first clip.
     2. Hold the Shift key while clicking the last clip in the sequence. All clips in the sequence are selected.
5. Click **File Output Settings**.
6. Choose your settings in the **File Output Settings** window. For more details on these settings, see the DVgate Plus software Help.
7. Click **OK**.
8. Click **Output**.
9. When the **Confirm** message appears, click **OK**.

Editing recorded TV programs

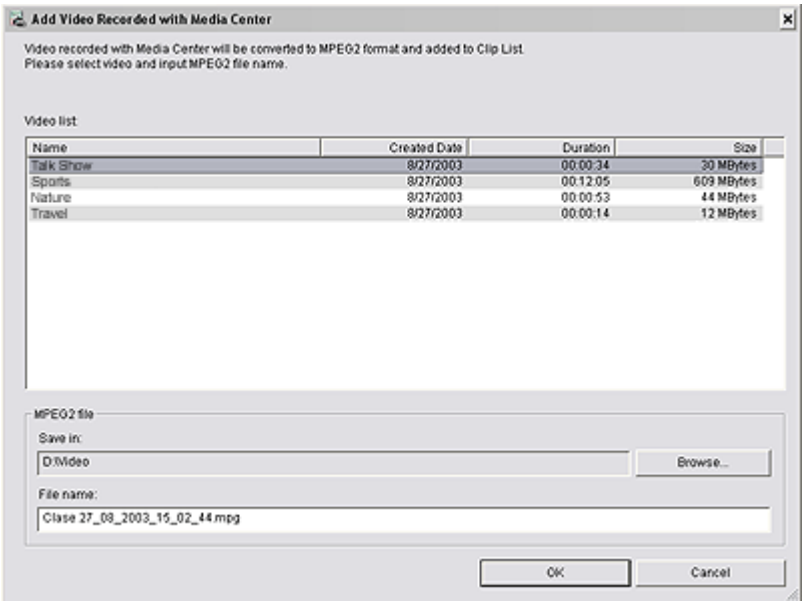
You can edit your recorded TV programs with DVgate Plus software. The software's editing features enable you to change clip order, insert still images, and combine different video files. See the DVgate Plus software Help for more information.

1. After starting DVgate Plus software, click **Cancel** to close the **Mode Select Guide**.
2. Confirm that the **Output Mode** is active. If you are in **Capture Mode**, click **Go to Output Mode**.
3. From the **File** menu, click **Add Video Recorded with Media Center**.

   The **Add Video Recorded with Media Center** window appears.

   If the DVgate Plus format is set to PAL, the **Add Video Recorded with Media Center** feature is not an available option. To switch formats, select **Switch Video Format (NTSC/PAL)** from the **Settings** menu. When the DVgate Plus software pop-up message appears, click **Yes**, and then click to select **NTSC**.

Add Video Recorded with Media Center



4. Click to select a video in the **Video list**, and then click **OK**.

   The DVgate Plus software converts the video file to MPEG-2 format and adds it to the **Clip list**, ready for editing.

Selecting Save Formats For Video Files

When you select a format from the File Output Settings window, each setting is automatically set to the recommended value for the selected save format.

Format	Description
DV CODEC AVI 1.0 (.avi)	Uses the same compression method as a digital video device. The exported file size limit is 2 GB.
DV CODEC AVI 2.0 (.avi)	Uses the same compression method as a digital video device. The exported file size is more than 2 GB.
MPEG1 (.mpg)	Uses a file compression method that is compatible with Video CD. Files are relatively small.
MPEG2 (.mpg)	Uses a file compression method that is compatible with DVD. The image quality is higher and file size is larger than MPEG1, but smaller than DV CODEC AVI 1.0/2.0.
MICROMV (.mmv)	Uses the same compression method as a MICROMV device.
Click to DVD Project File (.ctd)	Used for video content that is edited by DVgate Plus software, for use with Click to DVD software. Each clip can be used as a chapter on a DVD.

Media Center — My Pictures

Your VAIO® Media Center computer enables you to showcase your favorite digital pictures in an animated slide show with music. You can also display your pictures on your TV or share them across your home network. The Media Center remote control makes your digital memories available with the click of a button.

- About My Pictures
- Viewing Pictures with Media Center
- About PictureGear Studio Software

About My Pictures

My Pictures displays your digital image files individually or as a slide show. You can use digital image files from many sources, such as a digital camera, a scanner, or from a CD or other storage media.

My Pictures enables you to view and share your digital pictures, as follows:

- You can view individual pictures or arrange a set of pictures as a slide show.
- You can change the picture order in the slide show and adjust the transition time.
- You can sort your pictures by file name or date.
- You can use the remote control to view or scroll through the pictures that are stored in the My Pictures or Shared Pictures folders. You can also use your keyboard and mouse to view your pictures.

Each Windows® user account has a My Pictures folder that is available only when that user is logged on to the computer. Image files can be shared by storing them in the Shared Pictures folder

About supported images

My Pictures can only display images files that are in a supported format. Image formats that are not supported, do not appear in a slide show even if the folder or file icons are visible in Media Center.

My Pictures can support these file formats:

File Extension	File Type
.jpg, .jpeg	Joint Photographic Experts Group
.tif, .tiff	Tagged Image File Format
.gif	Graphics Interchange Format
.bmp	Bitmap
.wmf	Windows MetaFile
.png	Portable Network Graphics

Using the remote control

You can open the My Pictures window by pressing My Pictures on the remote control or by selecting My Pictures from the Media Center Start menu, using the supplied remote control, keyboard, or mouse. You can perform many actions with the remote control, by pressing a single button.

Organizing your pictures

Media Center displays your pictures from these folders:

- Picture files stored in the My Pictures folder are displayed in the My Pictures window.
- Picture files stored in the Shared Pictures folder are displayed in the Shared Pictures window and shared on your network.

Picture files can be shared among all Windows user accounts by storing them in the Shared Pictures folder.

Organize your pictures in the My Pictures and the Shared Pictures folder before using Media Center to display them.

To open the My Pictures folder

1. Click **Start** on the Windows® taskbar, and then click **My Pictures**.

   The **My Pictures** window appears, displaying picture files in the right panel.

2. You can add, delete, rename, and organize your pictures into individual folders within the My Pictures folder. The individual folders can be viewed as a slide show.

To open the Shared Video folder

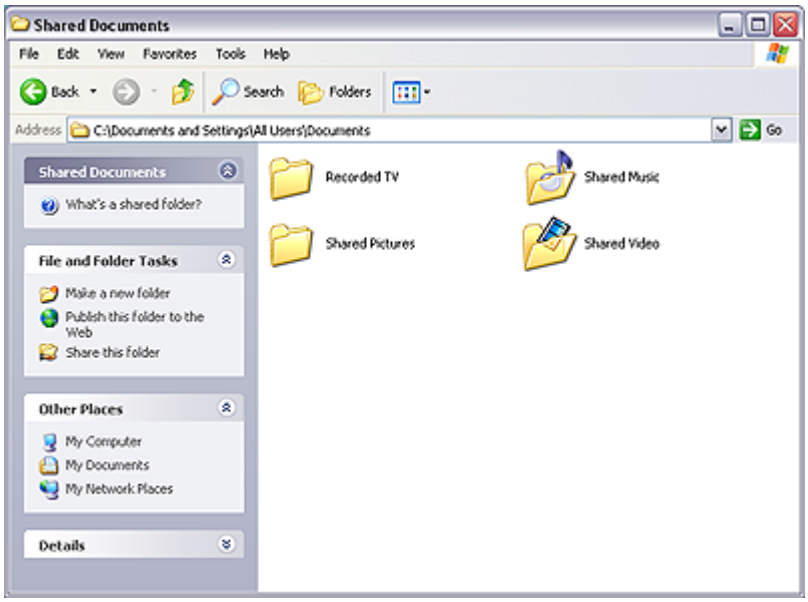
1. From the **Start** menu, click **My Computer**.

   The **My Computer** window appears.

2. Under **Files Stored on This Computer**, click **Shared Documents**.

   The **Shared Documents** window appears.

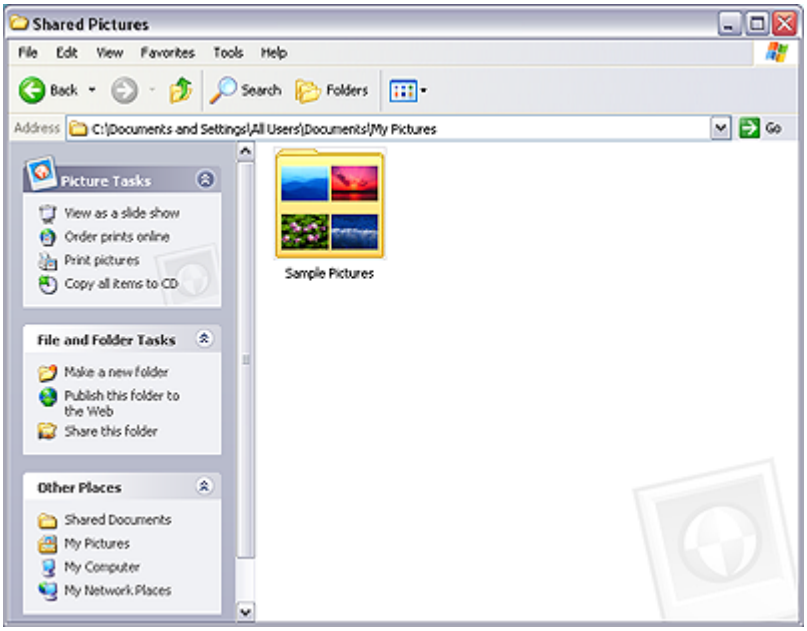
Shared Documents



3. In the right panel, click **Shared Pictures**.

   The **Shared Pictures** window appears.

Shared Pictures



4. You can add, delete, rename, and organize your pictures into individual folders within the Shared Pictures folder. The individual folders can be viewed as a slide show.

To sort your pictures

You can rearrange your pictures by name or by date, after placing them in the My Pictures folder.

1. Point the remote control at the remote sensor, and press the **MY PICTURES** button.

   The **MY PICTURES** window appears.

2. Select one of the options, **Sort by date** or **Sort by name**. Click **OK**.

Viewing Pictures with Media Center

After organizing your pictures in the My Pictures or Shared Pictures folders, you can use Media Center to display them.

Displaying Pictures

1. Point the remote control at the remote sensor and press the **MY PICTURES** button.

   The **MY PICTURES** window appears, displaying your pictures as thumbnails and folder icons, depending on the way you organized them.

   ✍ The remote control must be used within 26 feet (8 meters) of the front of remote sensor unit.

Media Center — My Pictures

2. Press the arrow buttons on the remote control to move through your image contents and locate a picture. Press **OK** to display the picture or folder.

   The selected picture opens in full screen mode.

   ✍ Use the mouse to select the directional arrows at the bottom of the Media Center window, to scroll through your picture files and folders.

Setting up a slide show

If you have not selected specific pictures for your slide show, Media Center plays the first folder listed in My Pictures. If you have pictures that are not stored in individual folders, Media Center plays these files as the slide show.

To play a slide show manually

1. Point the remote control at the remote sensor, and press the **MY PICTURES** button.

   The **MY PICTURES** window appears.

2. Press the arrow buttons on the remote control to advance the slide show pictures.

To play a slide show automatically

1. Point the remote control at the remote sensor, and press the **MY PICTURES** button.

   The **MY PICTURES** window appears.

2. Press the arrow buttons to select **Play slide show**.

To add music to a slide show

You can start music from your stored music library to play during your slide show.

1. Point the remote control at the remote sensor and press the **MY MUSIC** button.

   The **MY MUSIC** window appears.

2. Press the arrow buttons on the remote control to locate and select music from your music playlists. Press **OK** to play the selected song.

   If the song does not begin playing, press **Play** on the remote control.

3. Press the **Start** button on the remote control to return to the Media Center Start menu.

4. Select **My Pictures**, and then select the folders of pictures for your slide show. Press **OK**.

5. Select **Play slide show**. Press **OK**.

   Media Center plays the slide show in full screen mode with the selected music playing in the background.

Changing picture and slide show settings

Each user account can set their own picture and slide show settings. These settings control how long a picture displays and the picture display order.

1. Point the remote control at the remote sensor, and press the **Start** button.

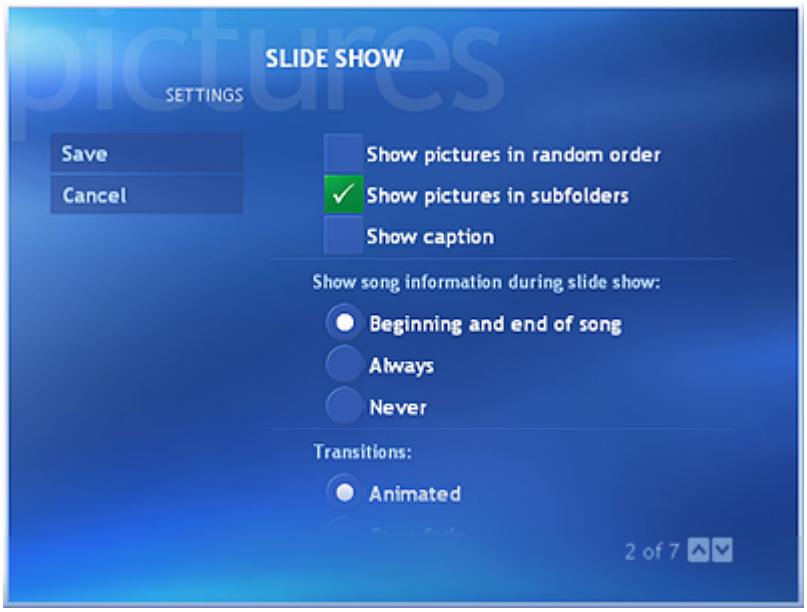
   The **Media Center Start** menu appears.

2. Use the arrow buttons on the remote control to select **Settings**. Press **OK**.

   The **Settings** window appears.

3. Select **Pictures**. Press **OK**.

Media Center — Settings



4. Press the arrow buttons on the remote control to select the following:

   - How slide shows are displayed
   - How show music information is displayed
   - How long each picture is displayed
   - How each picture transitions to the next
   - The background shade

5. Press the arrow buttons to select **Save** in the **Settings** window.

6. Press **OK** on the remote control to accept these settings and return to the **Settings** window.

About PictureGear Studio Software

PictureGear Studio software has easy-to-use features that enable you to quickly import image files from a digital camera or camcorder, print high-quality photos, create custom labels, and design personalized photo albums or binders to share with family and friends.

Your imported image files can be viewed with Media Center, as individual pictures or in a slide show. You can also share your pictures, using VAIO Media software, with the other computers on your home network.

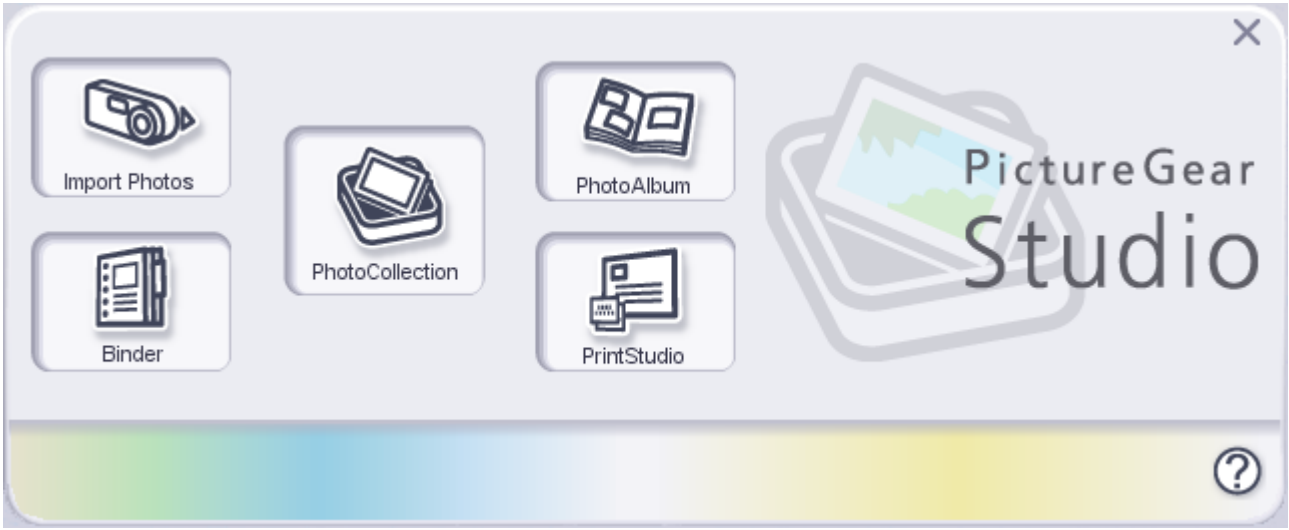
Your personalized photo albums, binders, and other customized picture creations can only be viewed or edited with PictureGear Studio software.

Using PictureGear Studio software

1. Click **Start** on the Windows® taskbar and point to **All Programs**.
2. Point to **PictureGear Studio,** and click **PictureGear Studio**.

   The **PictureGear Studio** main window appears.

PictureGear Studio Software — Main Menu

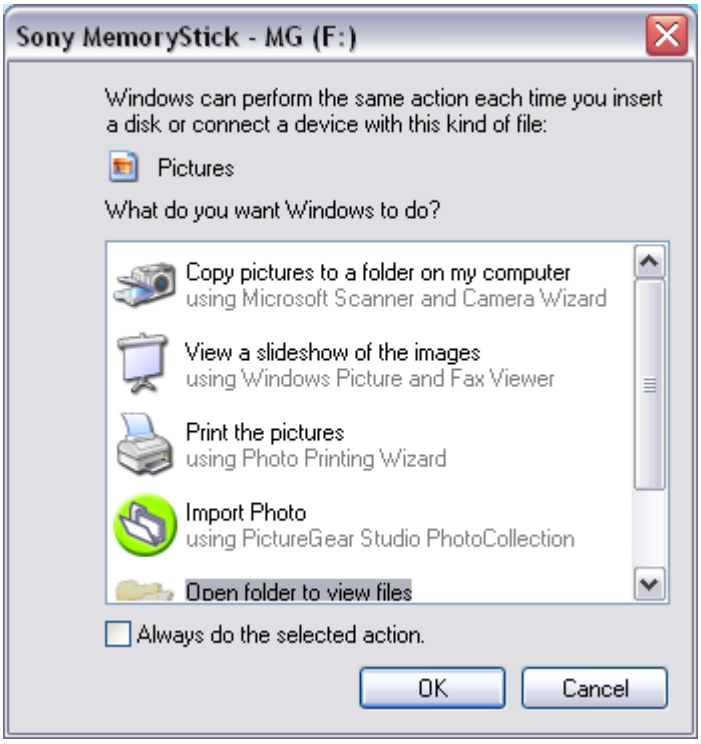


Importing images

Capture pictures with a digital camera or camcorder and import them to your computer by using an i.LINK cable, USB cable, or storage device, such as Memory Stick® media. Place the images in folders for viewing with the Media Center.

When you first connect your digital camera, camcorder, or insert a Memory Stick® media, the Windows® XP operating system may attempt to recognize the device or media. An identification window appears, prompting you to select a specific action for the occurrence, or to set as a default response for future occurrences.

Windows XP (identification window)


Sony MemoryStick - MG (F:)
Windows can perform the same action each time you insert a disk or connect a device with this kind of file:
Pictures
What do you want Windows to do?
Copy pictures to a folder on my computer using Microsoft Scanner and Camera Wizard
View a slideshow of the images using Windows Picture and Fax Viewer
Print the pictures using Photo Printing Wizard
Import Photo using PictureGear Studio PhotoCollection
Open folder to view files
Always do the selected action.
OK
Cancel

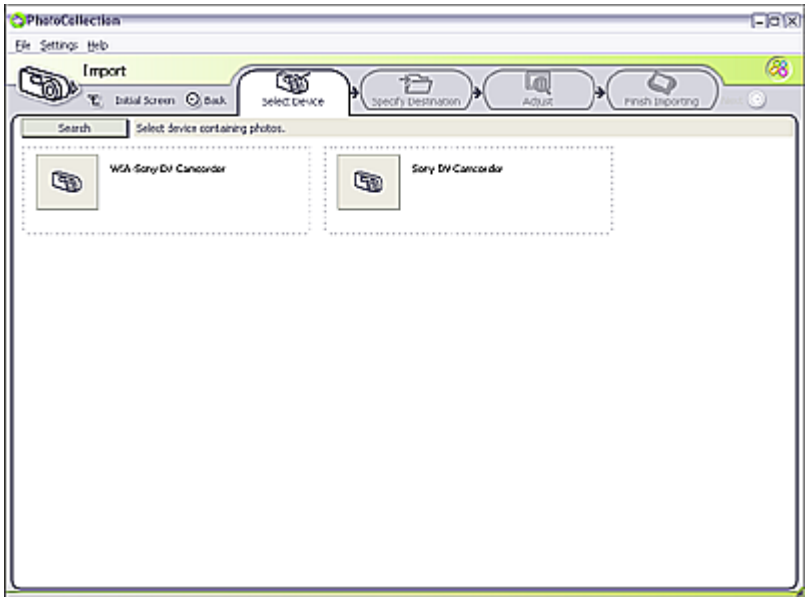
To continue using PictureGear Studio software without selecting an action, you can close this window using one of the following methods:

- Click **Cancel** to close the window.
- Select **Take no action** (you may need to scroll), and then click **OK**. The window closes.

To import photos

1. Use a USB or i.LINK cable to connect a digital camera or camcorder to your computer, or remove your Memory Stick® media from the camera and insert into the Memory Stick media slot.
2. Click **Import Photos**. Your connected digital camera, camcorder, or Memory Stick® media is displayed in the **Select Device** window.

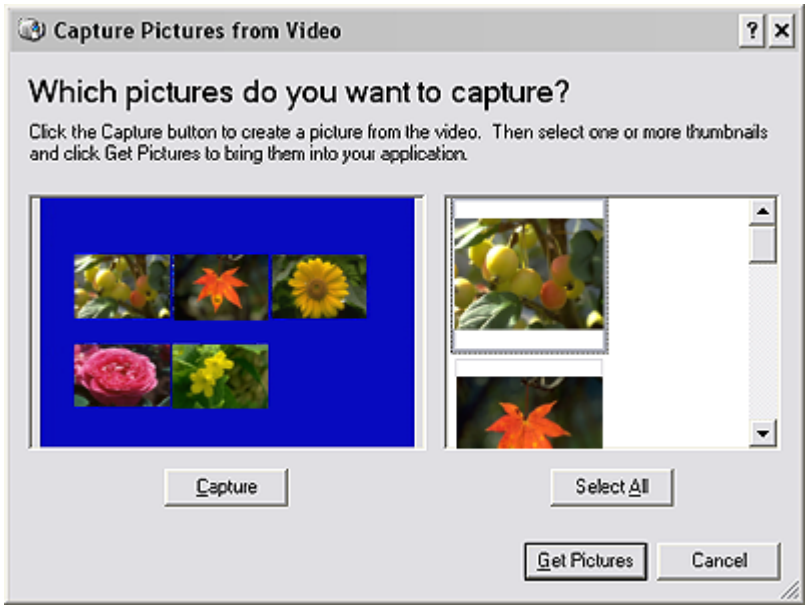
PictureGear Studio Software — Select Device



3. Select an import category and type in a name for the new category. Click **Start Importing**.

   The **Capture Pictures from Video** window appears.

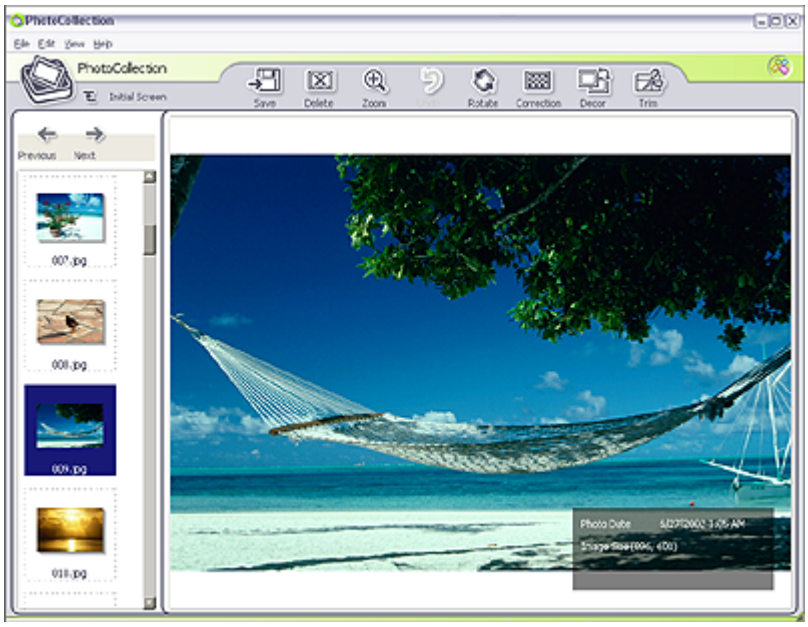
Capture Pictures from Video


Capture Pictures from Video
Which pictures do you want to capture?
Click the Capture button to create a picture from the video. Then select one or more thumbnails and click Get Pictures to bring them into your application.
Capture
Select All
Get Pictures
Cancel

4. Click **Capture** to select specific pictures, or click **Select All** to capture all pictures on the device or media.

5. Click **Get Pictures**. An editing window is displayed.

Editing pictures



   The editing window displays an enlarged version of the selected picture on the right and thumbnail versions on the left.

6. Use the following buttons to adjust your picture.

   - **Save —** Move the picture to a new folder.
   - **Delete** — Remove the picture from the photo collection.
   - **Rotate** — Change the picture's position.
   - **Trim** — Crop the picture or capture a specific area.

   To undo your adjustments, click **Undo**.

7. Click **Finish Importing** to save the imported pictures in the **My Pictures** folder in Windows® Internet Explorer.

Accessing PictureGear Studio software's Help

For detailed information about using PictureGear Studio software, see the software Help.

1. Click **Start** on the Windows® taskbar, and point to **All Programs**.
2. Point to **PictureGear Studio,** and click **PictureGear Studio**.

   The **PictureGear Studio** main window appears.
3. Click the question mark icon in the lower right corner of the window. The **PictureGear Studio Help** appears.

Media Center — My TV

You can use Media Center to watch TV, using the remote control to play, pause, fast forward, or rewind your TV program. The convenient Program Guide provides current TV program listings, enabling you to browse for your favorite shows. My TV is a feature that offers full control over your TV viewing, TV program recording, and system settings.

- About My TV
- Changing the View Window
- Watching Live TV
- About the TV Program Guide
- Recording TV Programs

About My TV

My TV enables you to watch, play, and record your favorite TV programs. Use the remote control to pause, play, rewind, fast forward, stop, or record live TV.

When you watch live TV programming, Media Center continuously captures 30 minute increments of the program. This enables you to use the rewind, replay, and fast forward features. The TV programming buffer that is captured while you watch live TV is not saved or stored on your computer's hard disk drive.

From the My TV window, you can perform many tasks, such as:

- Download current TV program guide listings from the Internet[1]
- Record a single TV program or a program series
- Watch TV programs on a full screen or inset window
- Search your local TV guide by category, title, or keyword
- Set your TV viewing or recording preferences

[1] An Internet connection is required to download and update the TV program guide.

Setting up your computer for My TV

Your VAIO® computer, TV monitor or display, and TV signal access, must be properly connected before you can watch or record TV programs.

- Set up your computer and equipment according to the type of cable or TV service available in your home. For more information, see Setting Up TV Connections.
- Make sure you have completed the Media Center setup wizard. For more information, see Starting the Media Center Setup Wizard.

Using the remote control to view TV programs

Use the remote control to view live TV programs using the play, pause, rewind, fast forward, and record functions. See the following list of commands for quick reference.

Remote Control Button	TV Action
GUIDE	Displays the program guide listing
MORE INFO	Displays information about a TV program
LIVE TV	Goes to live TV programming
ENTER	Returns to the previously viewed channel
REC	Starts recording TV program
PLAY	Plays TV or resumes TV after it has been paused or stopped.
STOP	Stops live TV or stops TV recording
REW (Rewind)	Reverses the TV program
FF (Fast Forward)	Advances the TV program
PAUSE	Pauses TV (Press again to resume the TV program)
REPLAY	Returns to the previous seven seconds of the TV program buffer or TV recording
SKIP	Advances 29 seconds forward into the TV program recording buffer.

Changing the View Window

You can change the way TV programming is displayed on your TV or monitor, using the remote control.

To view TV programs in an inset window

Click on the remote control while the TV program is playing.

To view TV programs in full-screen mode

To watch TV in full-screen mode, press the **LIVE TV** button on the remote control. To return to the previous TV view window size, press the **BACK** button.

To maximize full-screen view mode

1. Move the pointer over the current view to display the **Maximize** icon .
2. Click the **Maximize** icon.

   The current view fills the entire screen.

To restore window view mode

1. Move the pointer over the current view to display the **Restore Down** icon .
2. Click the **Restore Down** icon.

   The current view decreases in size.

Watching Live TV

Open My TV with one of the following methods:

- Press the **My TV** button on the remote control, or press and select **My TV**.
- Click the **My TV** button on the keyboard.

The **My TV** window appears, displaying a TV program in the view window.

My TV window

About the time shift feature

When you watch a live TV program and pause the program, the time shift window appears. As you watch live TV programming, Media Center is continuously capturing 30 minute increments of the program into a buffer. This enables you to use the rewind, replay, and fast forward features. When you change channels, Media Center deletes the current TV programming buffer and begins recording again after a short delay. The TV programming buffer that is captured while you watch live TV is not saved or stored on your computer's hard disk drive.

Time shift feature

Changing Channels

You can change the channel by

- Pressing the **CHAN/PAGE + /-** button on the remote control
- Pressing the numeric (**0-9**) and ENTER buttons on the remote control.

About the TV Program Guide

Download a list of current television programs and channels from your television service provider. You can set Media Center to automatically update the program guide, or manually update when you are connected to the Internet

The program guide displays:

- Channel and Network information
- TV program title
- Scheduled time blocks of TV programming
- The guide does not display past listings.

✍ You can manually update the TV program guide in the Settings window. The number of TV programming days displayed in the guide decreases if the guide is not updated. The program guide does not display past listing.

Viewing the TV program guide

1. Press the **GUIDE** button on your remote control, or from the Media Center **Start** window, select **My TV**, select **Settings,** and then select **Guide**.

Guide

2. With the remote control, use the Up and Down arrows to scroll through the TV programs available on each channel. Press the Left and Right arrows to scroll across and view all of the available TV program listings in a time slot.

   You can also use the mouse to click the up and down arrow buttons located below the program listings and scroll through the program listings.

3. Press the Up, Down, Left, or Right Arrow buttons to select a TV program, and then press **OK**.

   The selected program appears.

Setting TV program guide preferences

1. Press the **My TV** button on your remote control, or from the Media Center **Start** window, select **My TV**, select **Settings**, and then select **Guide**.

   The **GUIDE** window appears.

2. Select **Settings**, and then select **Guide**.

   The **Guide** settings window appears.

From the Guide window, you can select **Get Guide data** to update your TV program guide, or you can select other guide preferences.

To search for a specific TV program

You can search for a specific TV program by title, category, or keyword.

1. Open **My TV** with one of the following methods:

   - Press the **My TV** button on the remote control, or press and select **My TV**.
   - Click the **My TV** button on the keyboard.

   The **My TV** window appears, displaying a TV program in the view window.

2. From the **My TV** window, select **Search**.

   The **Search** window appears.

Search window

3. Select **Categories**, **Title**, or **Keyword**.

   - **Categories** — To search by category, select one of the available categories displayed in the window, until you locate the type of TV program you want to watch. Use the arrow buttons to scroll through the search results. Press **OK** to select a TV program.
   - **Title** — Type the title of the TV program in the text box, or use the numeric buttons on the remote control to enter information.
   - **Keyword** — Type a keyword in the text box, or use the numeric buttons on the remote control to enter information.

Recording TV Programs

The My TV feature enables you to record individual TV programs or a recurring series of programs. You can also set up future recording sessions. Store the recorded TV programs on your hard disk drive, organize them with Media Center, or burn them to a DVD media, using Click to DVD software. For more information on copying recorded TV programs to DVD, see Media Center — Create DVD.

Using My TV, you can:

- Record a live TV program while you watch
- Schedule recording of a future TV program
- Record a recurring series of TV programs

Recording and watching a TV program

You can record the live TV program you are watching and save it for future viewing. Media Center records a TV program until it is scheduled to be over, as listed in the guide.

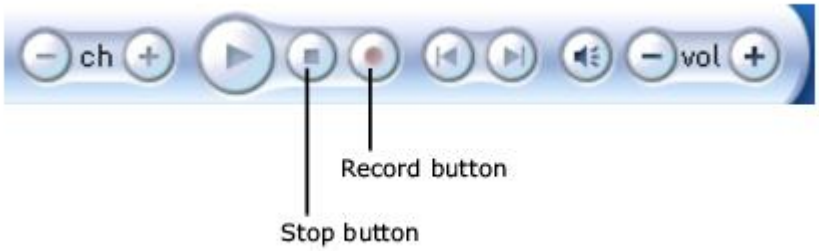
Do not change the channel while watching or recording a TV program to avoid interrupting the recording process.

To record a TV program

You can begin recording with one of these methods:

- Press the **REC** button on your remote control.
- Use the mouse to click the **Record** button on the media playback toolbar.

Media playback toolbar



To check the recording session

- The **Record** icon appears on the Taskbar Notification area. Move the pointer over the icon to display the title of the TV program that is being recorded.
- Press the **GUIDE** button on your remote control. The **GUIDE** window displays the **Record** icon next to the title of the program being recorded.

The Record icon disappears when the recording is complete.

To stop or interrupt the TV recording session

- Press the **Stop** button on the remote control.
- Use the mouse to click the **Stop** button on the media playback toolbar.
- Right-click the Record icon on the Taskbar Notification area, and select **Stop Current Recording**.

Scheduling a TV recording (single or series)

Your computer must be on, in Stand by or in Hibernate mode, to enable a scheduled TV recording. If the Media Center program is running, it does not permit your computer to automatically enter Stand by mode.

You can press the **STANDBY** button on the remote control, if you wish to place your computer directly into Stand by mode.

If a recording conflict occurs, Media Center looks for alternative times to record a TV program or an episode in a series. Recording a TV program series enables you to record each episode of that program from any available channel that is scheduled to broadcast it. Media Center does not record duplicate episodes.

A scheduled recording continues, even if you close the Media Center software program.

To record a single TV program

1. Open the **GUIDE** window, by pressing **GUIDE** on your remote control or by selecting **My TV** from the Media Center **Start** window, and then selecting **GUIDE**.
2. Press the Right Arrow button to view the programs that are scheduled for broadcast at a later date or time.
3. Press the Up, Down, and Left Arrow buttons to locate and select the TV program you want to record.
4. Press **REC** on the remote control.

   The Record button appears next to the program title.

Recording Program

To record a TV program series

1. Open the **GUIDE** window, by pressing **GUIDE** on your remote control or by selecting **My TV** from the Media Center **Start** window, and then selecting **GUIDE**.
2. Press the Right Arrow button to view the programs that are scheduled for broadcast at a later date or time.
3. Press the Up, Down, and Left Arrow buttons to locate and select the TV program you want to record.

4. Press **OK**.

   The **PROGRAM INFO** window appears.

Program Info

5. Select **Record series**.

   The **GUIDE** window reappears, with a Record series icon next to the title of the TV program series you want to record.

Recording program series

Additional information about recording TV programs

You can use the REC button on your remote control to begin recording a TV program series.

- When you locate a TV program to record as a series, press the **REC** button twice. The scheduled recordings are set up for all episodes of the TV program.
- To cancel the recording of a TV program series, locate the next episode and press the REC button three times. The scheduled recordings are cancelled for all pending episodes of the TV program.

Setting recording preferences

You can set up the recording preferences for programs that are broadcast at a later date or time.

To set recording preferences

1. Open the **GUIDE** window, by pressing **GUIDE** on your remote control or by selecting **My TV** from the Media Center **Start** window, and then selecting **GUIDE**.
2. Press the Right Arrow button to view the programs that are scheduled for broadcast at a later date or time.
3. Press the Up, Down, and Left Arrow buttons to locate and select the TV program you want to record.
4. Press **OK**.

   The **PROGRAM INFO** window appears.
5. Select **Advanced record**.

   The **RECORD SETTINGS** window appears.

Record Settings

6. Select your preferences for recording features, such as recording limits or frequency.
7. Select **Record**.

If your settings create a recording conflict, Media Center displays a message and enables you to select which program to record.

Recorded TV library

Your recorded TV programs are saved to your hard disk drive and displayed in the Recorded TV window. When you select My TV, your recently recorded programs are automatically displayed under the live TV window. You can click a recorded title and play the program, delete it, record the series, and more.

From the Recorded TV window, you can:

- View all of the recently recorded TV programs
- Search for a recorded TV program by date, name, or category
- Record a TV program
- View pending TV program recordings
- Delete a recorded TV program

Recorded TV

Media Center — My Music

This Media Center feature enables you to enjoy and manage your digital music files. Use the Media Center remote control to browse your music playlists by artist, album, song, or music genre.

- About My Music
- Using My Music
- About SonicStage Software
- Selecting Compatible CD Media

About My Music

My Music is compatible with SonicStage and Windows® Media Player software programs. Use SonicStage software to record songs from CDs in ATRAC3 format and create your own music playlists for viewing or playback with Media Center.

From the My Music window, you can perform many tasks, such as:

- Playing audio CDs
- Playing digital music files from playlists created with SonicStage or Windows Media Player software
- Searching your music files and playlists by specific category
- Viewing music CD details using your Internet connection

Using My Music

My Music plays your audio CDs and enables you to browse and play all of your music playlists. After you have created your music playlists with SonicStage software, organize them with Windows® Media Player software, and then play your favorite music with My Music.

Viewing your albums (playlists)

1. Open My Music with one of the following methods:

   - Press the **MY MUSIC** button on the remote control, or press and select **My Music**.
   - Press the **My Music** button on the keyboard.

   The **MY MUSIC** window appears.

2. Select **Albums**.

   The playlists recorded with SonicStage software appear as albums on the **ALBUMS** window.

   ✍ The playlists recorded with SonicStage software may not be immediately visible on the ALBUMS window. If this occurs, wait a few moments for the playlists to appear.

Organizing playlists for Media Center

1. Open Windows Media Player software by clicking on your desktop.

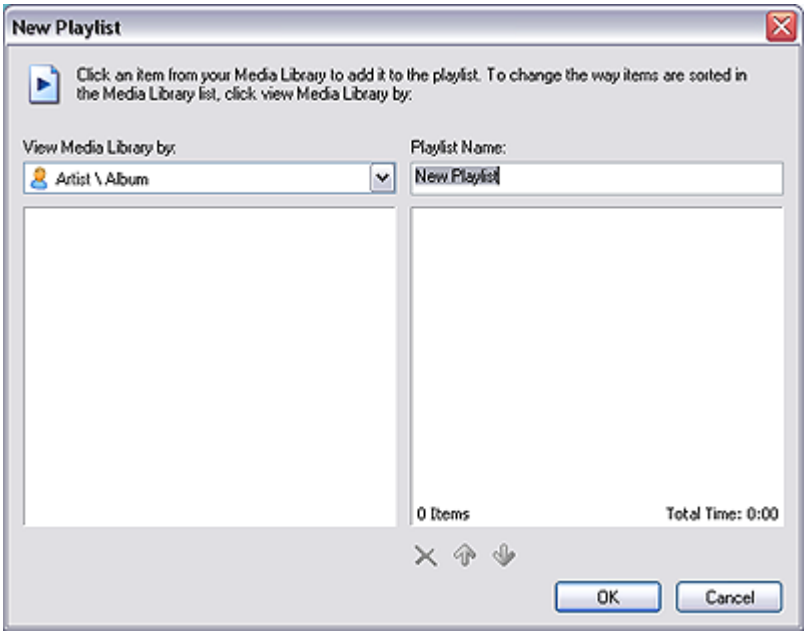
   The **Windows Media Player** window appears.

2. Click **Media Library**.

3. In the **My Playlists** window, right-click **My Playlists** and select **New.**

   The **New Playlist** window appears.

New Playlist


New Playlist
Click an item from your Media Library to add it to the playlist. To change the way items are sorted in the Media Library list, click view Media Library by.
View Media Library by:
Artist \ Album
Playlist Name:
New Playlist
0 Items
Total Time: 0:00
OK
Cancel

4. In the **View Media Library by** drop-down list, select a category in which to view your music files.

5. In the **Playlist Name** text box, type a playlist name.

6. To add a music file to the new playlist, right-click the file, and then select **Add to Playlist**.

   The selected music file appears in the right panel as an item on the playlist.

7. To view the newly created playlist, start Media Center.

   If you have opened the main Media Center window, select **My Music**.

8. From the **My Music** window, click **Playlists**.

   The new playlists created with Windows® Media Player software appear.

The playlists recorded with SonicStage software may not be immediately visible on the ALBUMS window.

About SonicStage Software

SonicStage software is a digital music management system in which you can play music on your computer, create custom audio CDs[1] and much more:

- **Play and record music from audio CDs** — Play your audio CDs and record audio tracks to your computer. Combine music tracks into playlists and check them out to portable music devices.
- **Create custom audio CDs** — Create custom audio CDs from SonicStage playlists, mixing tracks from different sources and artists.
- **Make backup copies of your audio CDs** — Use SonicStage software's Backing Up Audio CDs utility to create backup copies of your audio CDs.
- **Use playlists to organize and manage your music** — Organize your music with SonicStage software's playlist feature. Create lists of songs sorted by artist or genre.
- **Download music from Electronic Music Distribution (EMD) services on the Internet** — Use Electronic Music Distribution services to download music tracks from the Internet, include them in your playlists, and check them out to your portable digital music devices.
- **Import audio files onto your computer** — Import MP3 and WAV audio files into SonicStage software to add to playlists or record to a CD.
- **Turning your computer into a karaoke system** — Use the Vocal Canceler effect to suppress the vocal track from most music during playback.
- **Enjoy a Visualizer light show during music playback** — Enjoy the visual effects while your music plays.

To access SonicStage software Help

You can open the SonicStage software Help when the software program is running, by clicking the Help icon in the upper right corner of the main window.

To locate the software Help:

1. Click **Start** in the Windows taskbar, and point to **All Programs**.
2. Point to **SonicStage**, and then click **SonicStage Help**.

   The **SonicStage Help** appears.

[1] Unauthorized duplication of audio files is a violation of applicable laws.

Starting SonicStage software

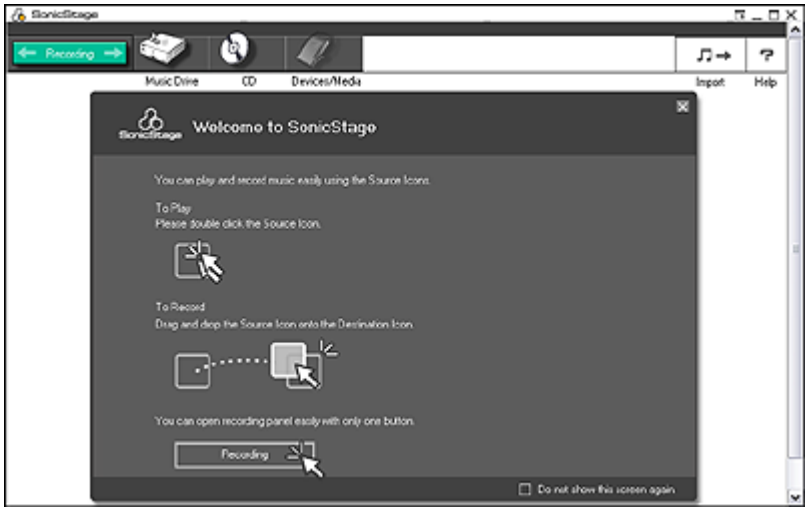
Use SonicStage software to copy music from CDs or other sources, into a music playlist that can be played with My Music (Media Center).

To start SonicStage software

1. Click **Start** on the Windows® taskbar, and point to **All Programs.**
2. Point to **SonicStage**, and then click **SonicStage**.

   The **Welcome to SonicStage** window appears.

Welcome to SonicStage



3. The **Please confirm setup** window appears during first use of the program. Follow the on-screen instructions.

   For more information, see the SonicStage software Help.

Recording music (from a CD)

You can record an entire album or single tracks from audio CDs, using SonicStage software. You can play this music using the My Music feature in Media Center. Use Windows® Media Player software to locate the music files you created with SonicStage software and create playlists that are displayed as albums in Media Center. For more information on how to record music from a CD, see the SonicStage software Help.

To record music from a CD

1. Start the SonicStage software program.
2. Insert an audio CD into your computer's optical drive.

   If the **Audio CD** window appears, click **Cancel**.

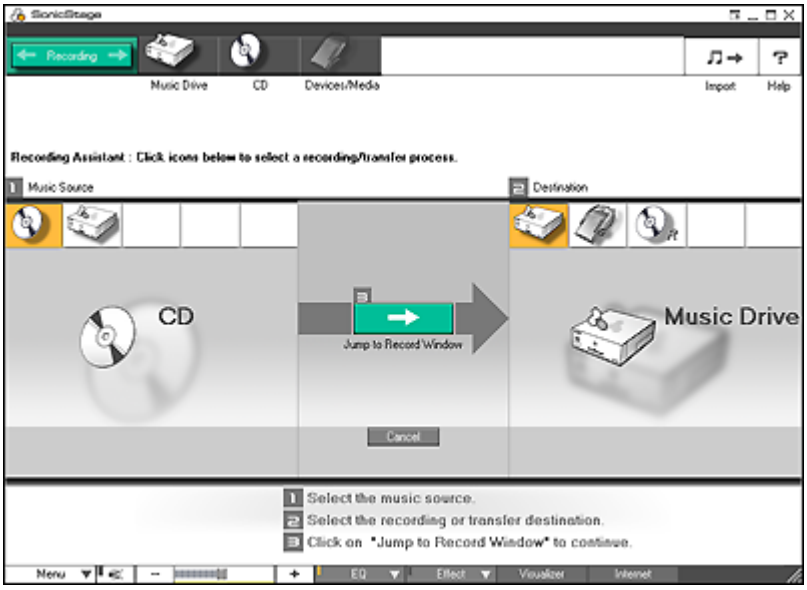
   When you record from an audio CD from your optical drive for the first time, the **CD Drive Optimization** dialog box appears. Click **Start** and follow the on-screen instructions.

3. From the main **SonicStage** window, click

.

   The **Recording Assistant** window appears.

Recording Assistant



4. In the **Music Source** panel, make sure **CD** is selected. If it is not selected, click the CD icon.
5. In the **Destination** window, make sure **Music Drive** is selected. If it is not selected, click on the Music Drive icon.
6. Click the **Jump to Record Window** icon.

   The **Record** window appears.

7. Click

to view the music tracks.

   A check mark next to the track indicates that it is selected for recording.

Record

8. Click to cancel any tracks you do not want to record.

9. If you use the Compact Disc Database (CDDB®) music recognition service, click **CD Info** in the lower-left corner of the **Record** window. CDDB opens and names your CD and its song titles.

The CDDB® music recognition service has a registration wizard that enables you to register with the CDDB service. Your computer requires Internet access to enable registration and use of this service. For more information regarding CDDB registration, click **Help**.

10. If you do not use the CDDB service, type an album and artist name in the **Record CD** and **Add to Playlist** text boxes.

11. Use the **Genre** drop-down menu to select a music category.

12. Type in the song title of an untitled track by right-clicking on the track and selecting **rename** from the drop-down menu.

13. Click the **CD Recording Format** icon to select a different recording format and bit rate.

14. When recording the audio tracks, you can:

    - Click the **Record All** icon to record all the tracks.
    - Click the **Rec Selection** icon to record the specific tracks.

    When the recording is finished, the playlist appears in the **Playlist** window.

Selecting Compatible CD Media

It is important to use the compatible CD[1] media with your DVD±RW drive, by selecting the correct type of blank recording media, understanding different disc formats, and identifying compatible playback equipment.

[1] CD media compatibility may vary by manufacturer. If you experience difficulty with recording or playback, try a different CD or a different brand.

Compatible CD media for music recording

- **CD-R —** CD Recordable media can be written to once and cannot be erased. CD-R media is appropriate for both music and data CD burning.
- **CD-RW —** CD Rewritable media can be written to, erased, and written to again. CD-RW media is appropriate for music and data CD burning.

Incompatible CDs

Do not use the following CD media for recording data or music:

- CD-ROM (compact disc read-only media)
- DVD-R for Authoring
- DVD-RAM
- DVD-ROM

Media Center — Create DVD

Your DVD±RW drive, combined with Click to DVD software, makes it easy to burn your own DVDs. After recording your favorite TV programs with Media Center, copy them to a DVD for your personal collection.

- Copying Recorded TV Programs to DVDs
- Selecting Appropriate DVD Media

Copying Recorded TV Programs to DVDs

You can copy your previously recorded TV programs onto DVD media using the Sony® Click to DVD software. With Click to DVD software, you can turn your favorite TV programs into full-featured DVDs complete with multi-level menus and attractive, pre-built themes and music[1].

[1] See the Click to DVD software Help for more information about the software's features.

Copying a recorded TV program to DVD media

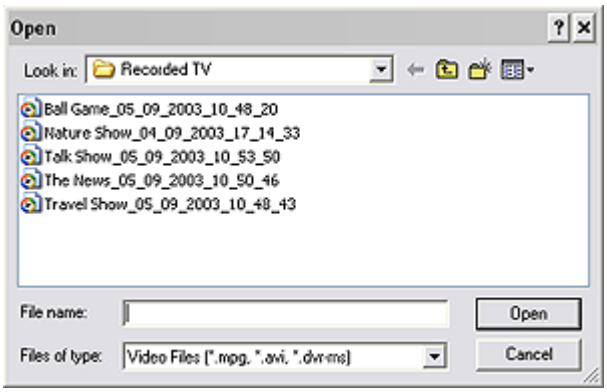
You can import and then edit your previously recorded TV programs, before copying them to DVD media.

To import a recorded TV program

1. From the Media Center **Start** menu, select **Create DVD**.

   Click to DVD software starts, and the **Click to DVD - New Project** window opens, displaying an **Open** window that contains a list of previously recorded TV programs.

Click to DVD Software — Open



2. From the **Open** window, click to select a recorded TV program to copy to DVD.

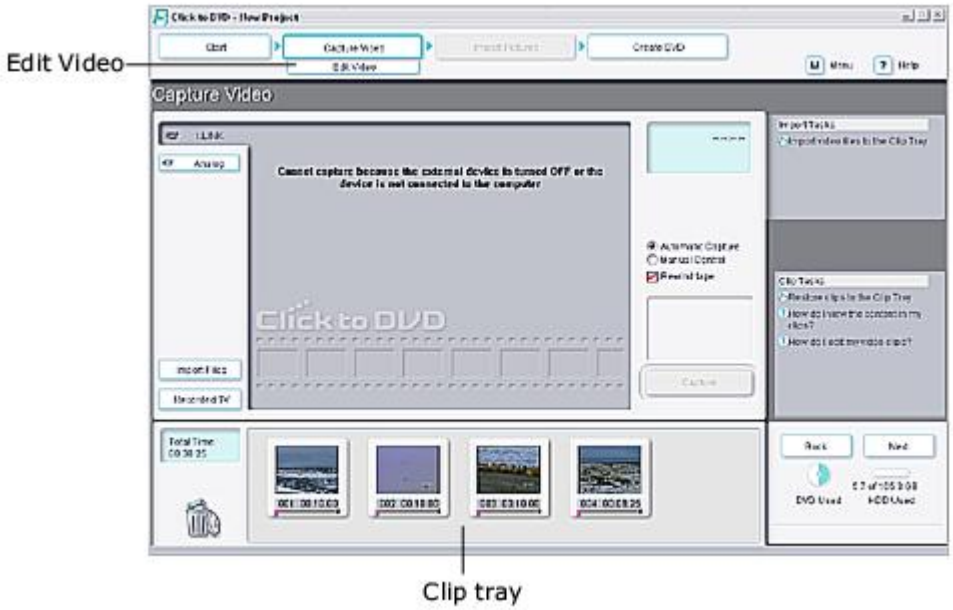
   Press and hold **Ctrl**, while clicking on a TV program file to select more than one file.

3. Click **Open**.

   Click to DVD software imports the selected file(s), displaying them in the clip tray on the **Capture Video** window.

   ✍ Imported files are automatically divided into 10-minute clips.

Capture Video

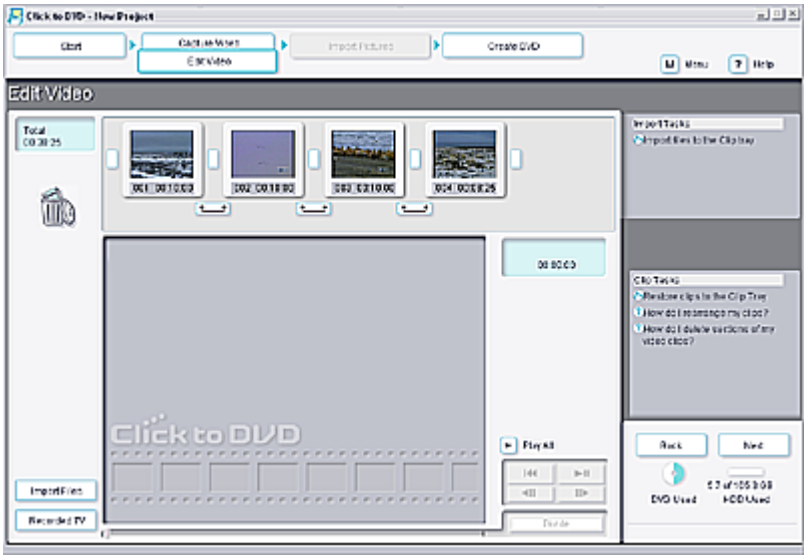


To edit an imported TV program

1. Click **Edit Video**.

   The **Edit Video** window appears.

Edit Video



In the **Edit Video** window, your TV program is displayed as video clips, appearing in playback order.

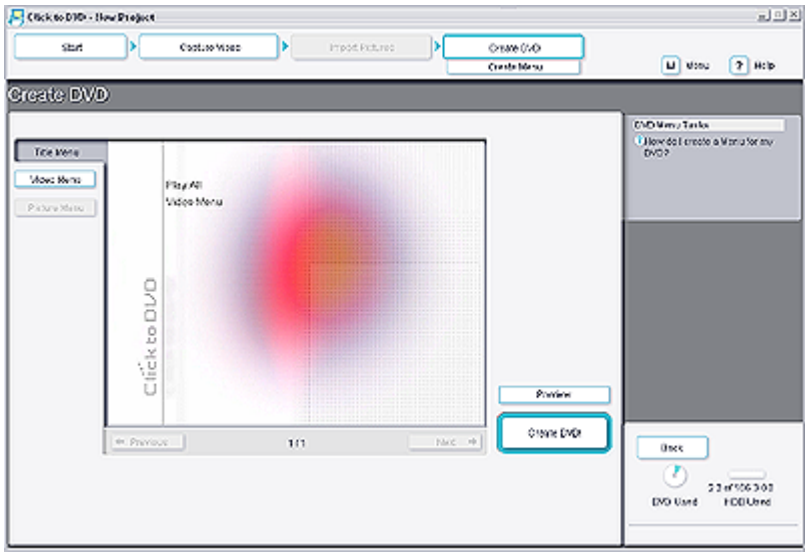
From this window, you can:

- Delete unwanted clips by dragging them to the Recycle Bin.
- Drag clips to a different position to change the playback order.
- Divide a clip into two separate clips:
    1. Click to select a clip.
    2. Move the slider to the point where you want to divide the clip.
    3. Click **Divide**.
- Delete unwanted clip sections by dividing a clip and then dragging the unwanted portion to the Recycle Bin.
- Combine two clips into a single clip by clicking (combine), located between two clips.

2. Once you have edited and arranged the video clips in your TV program, click **Create DVD**[1] located at the top of the window.

   The **Create DVD** window appears.

Create DVD



3. To view the title and chapter menus of your DVD, click the **Title Menu** and **Video Menu**.

   Click **Next** and **Previous** to navigate through the menus.

To edit a menu

From the **Create Menu** window, you can modify the default views for your DVD.

- Click **Title Menu** and **Video Menu**, to move between the title and the chapter menus.
- Click **Theme** to change the background image.
- Click **Background Music** to change the background music for the menus.
- Click any available text in the different menus, to change the text descriptions.
- Click **Text** to change the text properties.
- When viewing chapter menus, click **Chapter** to change the chapters. You can also change the thumbnail images that represent the chapters in this menu.

To preview the DVD

Before you can preview the video content, it must be converted to DVD format. Depending on the speed of your computer and the length of the video, it may take some time before the preview feature is available. After previewing your DVD, you can make more changes by returning to **Create Menu**.

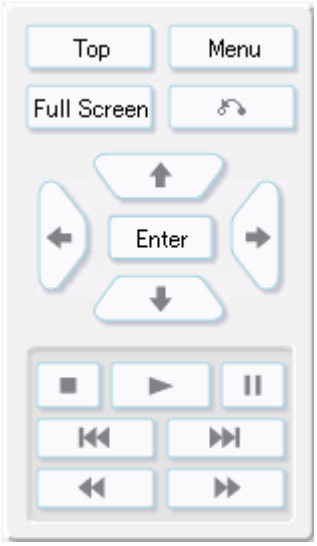
1. Click **Preview** to see the contents of your DVD.

   A window displays the progress of your DVD project for preview. When complete, the **Preview** window appears.

2. In the **Preview** window, view your finished DVD.

   The **Preview** window has controls that enable you to navigate through the video content on the DVD.

Preview window controls



3. After previewing the DVD, click **Close**.

To copy to a DVD media

1. When your DVD project is complete, click **Create DVD!** to begin burning to the DVD.
2. At the message prompt, insert a blank DVD-R, DVD-RW, DVD+R, or a DVD+RW disc into the DVD±RW drive.

   The Click to DVD software program begins burning your DVD.

⚠ **Creating a DVD can require several hours to complete. Interrupting the DVD burning process can result in an unusable DVD. Sony recommends that you do not use other software programs on your computer while Click to DVD software is burning your DVD.**

While the Click to DVD software program is creating a DVD, you may see your computer's hard disk drive access indicator flash repeatedly. This is normal behavior.

3. When Click to DVD software finishes burning the DVD, click **No** if you do not want to create another copy.

   The DVD±RW drive tray opens.

[1] Do not click the **Create DVD!** button, located towards the middle of the **Create DVD** window. This button starts the DVD burning process and does not permit any further changes to the DVD menus or contents.

Selecting Appropriate DVD Media

It is important that you use the appropriate DVD media with your computer's DVD±RW drive. Use care when selecting blank recording media. The general information provided can help you understand the different disc formats and limitations. Your computer's configuration may vary from the hardware configuration discussed in this section. See the online specifications sheet for details about your specific computer model.

About recordable DVD media

- **DVD-R for General —** DVD Recordable media for general use, also known as DVD-R(G), can be written to once and cannot be erased. You can use a DVD-RW or DVD±RW drives to write data to a DVD-R disc until the disc is full. You cannot erase or overwrite any existing data. DVD-R media is appropriate for both video and data DVD burning.

  ✍ DVD-R for general media is not the same as DVD-R for Authoring media. DVD-R for Authoring discs are a special media made for commercial DVD production and equipment.

- **DVD-RW —** DVD Rewritable media can be written to, erased, and written to again. You can use this media with a DVD-RW or DVD±RW drive, writing information to the same disc repeatedly. However, you must erase existing data on the disc before beginning a new recording session. DVD- RW media is appropriate for both video and data DVD burning.

- **DVD+R —** DVD+R Recordable media can be written to once and cannot be erased. You can use your DVD±RW drive to write data to a DVD+R disc until the disc is full. You cannot erase or overwrite any existing data. DVD+R media is appropriate for both video and data DVD burning.

- **DVD+RW —** DVD+RW Rewritable media can be written to, erased, and written to again. You can use this media with a DVD±RW drive, writing information to the same disc repeatedly. However, you must erase existing data on the disc before beginning a new recording session. DVD+RW media is appropriate for both video and data DVD burning.

Incompatible DVD media

For copying your recorded TV programs, do not use the following types of DVD media:

- DVD-R for Authoring
- DVD-RAM
- DVD-ROM

✍ Media compatibility with different equipment varies between manufacturers. If you experience difficulty with recording data or playing a disc, try a different disc or a different brand of media.

Additional Information about DVD media and DVD burning

- Exit all other open software programs and disable screen savers
- Cancel any scheduled timer recording sessions
- Do not connect or disconnect cables or attach devices
- Do not attempt to access the Internet or other network services
- Do not start additional software programs

Media Center — Play DVDs

Media Center enables you to play your DVDs from your computer and control the playback from your favorite chair.

- About Playing a DVD
- Changing the View Window
- Using the Remote Control for DVD Playback

About Playing a DVD

You can play DVDs and control the playback by using the remote control to fast forward, rewind, stop, or pause playback.

If you play your DVD using another software program, some of the remote control button functions are not available.

To play a DVD

1. Open Media Center by pressing the Start button on the remote control or by clicking **Media Center** from the **Start** menu.
2. Insert the DVD into the optical drive.

   After a few seconds, the movie preview begins.
3. Use the remote control to select **Play Movie**.

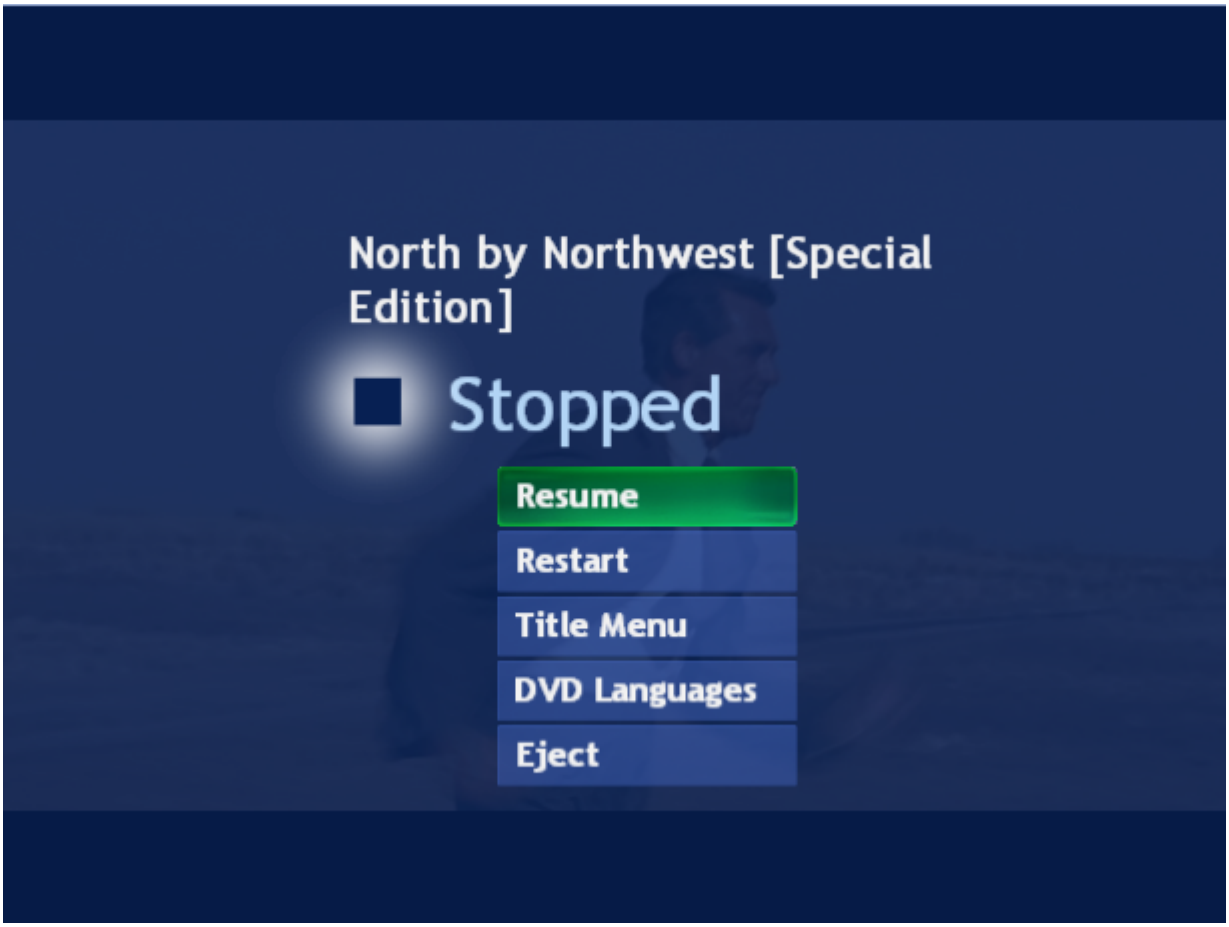
   The movie playback begins.

To stop DVD playback

1. Press the **Stop** button on the remote control, to stop playing the movie.

   The **Stopped** menu appears.

Stopped Menu



2. Press the arrow buttons on the remote control to select an option from the **Stopped** menu, and then press **OK**.

Changing the View Window

You can change the way the DVD is displayed on your TV or monitor, using the remote control.

To view the DVD in an inset window

Click on the remote control while the DVD is playing.

To view the DVD in full-screen mode

From the Media Center Start window, press the Down Arrow to select **Play DVD**, and then press **OK** on the remote control.

To enable full-screen view mode

1. Move the pointer over the current view to display the **Maximize** icon .
2. Click the **Maximize** icon.

   The current view fills the entire screen.

To restore window view mode

1. Move the pointer over the current view to display the **Restore Down** icon .
2. Click the **Restore Down** icon.

   The current view decreases in size.

Using the Remote Control for DVD Playback

You can use shortcut commands to control DVD playback. See the following list of commands for quick reference.

Remote Control Button	DVD Action
DVD MENU	Displays the DVD menu
PLAY	Plays the DVD in the optical drive
STOP	Stops DVD playback and opens the **Stopped** menu
REW (Rewind)	Reverses DVD playback (If playback is paused, the REW button reverses DVD playback frame by frame)
FF (Fast Forward)	Advances DVD playback (If playback is paused, the FF button advances DVD playback frame by frame)
PAUSE	Pauses DVD playback (Press again to resume playback)
REPLAY	Returns to the beginning of the DVD chapter (To return to the beginning, press and hold the **REPLAY** button)
SKIP	Advances to next DVD chapter (To advance to the end, press and hold the **SKIP** button.

Using the keyboard for DVD playback

You can use your Media Center keyboard to control DVD playback functions. The arrow keys on your keyboard function like the arrow buttons on the remote control. Use the shortcut keys on the top of your Media Center keyboard. For other playback commands, use these keyboard shortcuts.

Key	DVD Action
CTRL+Shift+M	Go to DVD menu
CTRL+Shift+P	Play
CTRL+Shift+S	Stop
CTRL+B	Replay
CTRL+F	Skip forward
F8	Mute
F9	Volume down
F10	Volume up

Media Center — Settings

You can customize the Media Center settings for TV viewing, picture slide shows, and audio playback. You can make selections to enable closed captioning and set parental controls.

- About Configuring Media Center
- Changing General Settings
- Changing TV Recording Settings
- Changing TV Program Guide Settings
- Setting Parental Controls For TV Viewing
- Changing the Language For DVD Movies
- Selecting Closed Captioning

About Configuring Media Center

Microsoft® Windows® supports "Computer administrator" and "Limited" user accounts. Certain settings apply to Media Center and affect all user accounts. This type of change is set up by those with Computer administrator accounts. Other settings can be selected by those with Limited user accounts.

Computer Administrator (General settings) (Custom settings)	**Limited User**
Set up Media Center	Change appearance settings
Set up the Internet connection	Change sound settings
Set up the remote control	Turn on or off transition animation
Change the privacy settings	Turn on or off notifications
Set parental controls	Adjust display settings
Customize the program guide	
View scheduled recording times and related information	
Set TV recording and storage defaults	
Set language defaults for DVD playback	

Changing General Settings

Changes to the general settings affect all user accounts. The administrator is the only person that has the system authority to change these settings.

To change general settings

1. Point the remote control at the remote sensor, and press the **Start** button.

   The **Media Center Start** menu appears.

2. Use the arrow buttons on the remote control to select **Settings**. Press **OK**.

   The **Settings** window appears.

Media Center — Settings

3. From the **Settings** window, select **General**.

   The general **SETTINGS** window appears.

Media Center — General Settings

4. From the general **SETTINGS** window, you can select:

   - **Appearance** — to turn transition animations on or off, change the background color, adjust TV and video size, color, and sharpness.
   - **Media Center sounds —** to turn the sound on of off.

- **Notifications** — to set telephone notifications.

  ✍ Your computer does not currently support the notifications.

- **Autoplay** — to enable enhanced autoplay options.
- **Parental control** — to block selected programs.
- **Set up Internet connection** — to select a download method.
- **Set up remote control** — to verify that your remote control is working properly with the remote sensor. Follow the onscreen instructions.
- **Privacy** — to view privacy statements and change media information settings.
- **Data credits** — to visit WindowsMedia.com for specific entertainment information.
- **About Media Center** — to view information about Media Center.

5. After changing these settings, press **Back** on the remote control to return to the **Settings** window.

Changing TV Recording Settings

You can change your TV recording priorities and options.

1. Point the remote control at the remote sensor, and press the **Start** button.

   The **Media Center Start** menu appears.

2. Use the arrow buttons on the remote control to select **Settings**. Press **OK**.

   The **Settings** window appears.

3. From the **Settings** window, select **TV**, and then select **Recorder**.

   The television **RECORDER** window appears.

Media Center — Recorder

4. View the recording status, or change the settings for these options:

   - **History** — Review a list of your recorded programs, and sort the list by date, status, or name.
   - **Recorder storage** — Change the settings that control recording space. See the section, About storage space for recorded TV programs.
   - **Recording defaults** — Customize the general recording settings to change how and when your TV programs are recorded.

5. After changing these settings, press **Back** on the remote control to return to the **Settings** window.

About storage space for recorded TV programs

The amount of storage space available for TV recording is based on your hard disk dive size, allocation, and the recording quality settings. Your computer requires space to run the operating system, software programs, and store data files. Your computer's performance is affected when the hard disk drive becomes full.

If this occurs, you can free up hard disk space to record more programs or to improve your computer's speed and performance.

- Delete recorded TV programs from the Recorded TV window. For more information, see Recording TV Programs.
- Increase the percentage of hard disk space allocated for recording TV programs. Go to the **Recorder storage** window and set a disk allocation of between 5 and 90 percent.
- Record your TV programs to the largest drive partition.

Media Center does not support recording to removable drives, network drives, or drives with less than 5 MB of available space.

- Archive your recorded TV programs to recordable DVD media, using Click to DVD software. For more information, see Copying Recorded TV Programs to DVDs.

- Change the recording quality setting to get the maximum recording time. Higher quality recordings create larger files. If you want to record more TV programs in the available storage space, go to the **Storage** setting window and set the recording quality to a lower setting.

- Set the storage default to automatically delete the TV recording after you have watched it. Go to the **Defaults** setting window and change the **Keep** setting to **Until I watch**.

Changing TV Program Guide Settings

You can select which channels to display and manually update your Guide from the Internet.

The TV Program Guide settings are administrator controlled. When changes are made to this setting, the change affects all user accounts.

To change the TV Guide settings

1. Point the remote control at the remote sensor, and press the **Start** button.

   The **Media Center Start** menu appears.

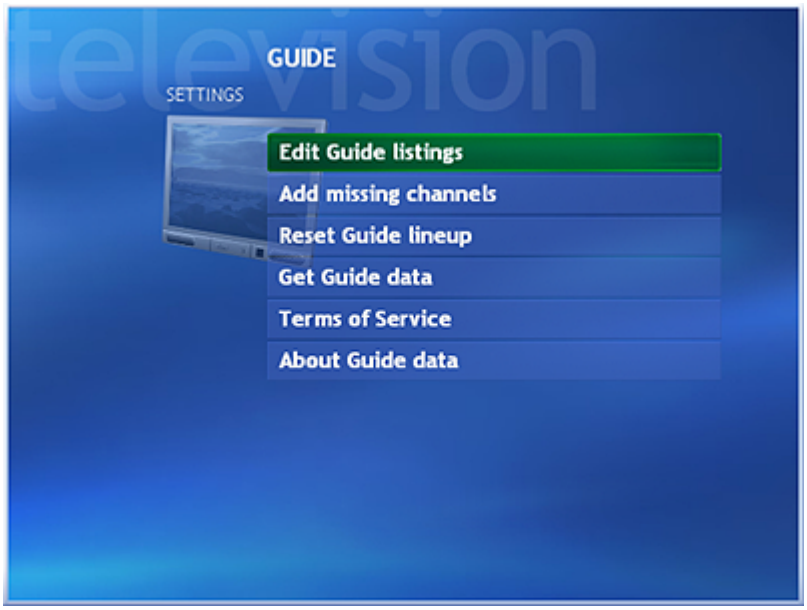
2. Use the arrow buttons on the remote control to select **Settings**. Press **OK**.

   The **Settings** window appears.

3. From the Settings window, select **TV**, and then select **Guide**.

   The **television GUIDE** window appears.

Media Center — Guide



4. You can perform these tasks, or change these settings:

   - **Edit Guide listings —** Display or hide the Guide channels. To display a channel, place a check mark in the box next to the channel. Clear the check mark to hide a channel.
   - **Add missing channels** — Display channels in the Guide that were not previously shown.
   - **Reset Guide lineup** — Set up your program guide.
   - **Get Guide data** — Update the TV Program Guide by performing a download from the Internet.

     Media Center uses an active Internet connection to set up and update your local Television Program Guide. You can set up Media Center to automatically connect to the Internet and update the Guide. Depending on your Internet connection, this may take a few moments to complete.

   - **Terms of Service** — Review the Electronic Programming Guide Use Agreement.
   - **About Guide data** — Locate general information and view the date range for your current version of the TV Program Guide.

5. After viewing or changing these settings, press **Back** on the remote control to return to the **TV** settings window.

Setting Parental Controls For TV Viewing

This setting is administrator controlled and affects all user accounts.

To set parental controls

1. Point the remote control at the remote sensor, and press the **Start** button.

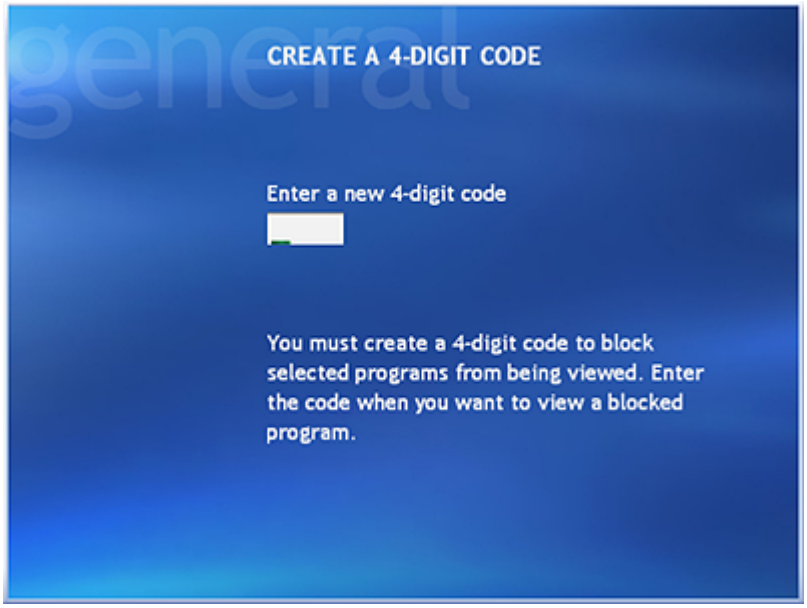
   The **Media Center Start** menu appears.

2. Use the arrow buttons on the remote control to select **Settings**. Press **OK**.

   The **Settings** window appears.

3. From the **Settings** window, select **General**, and then select **Parental control**.

Media Center — Parental control


CREATE A 4-DIGIT CODE
Enter a new 4-digit code
You must create a 4-digit code to block selected programs from being viewed. Enter the code when you want to view a blocked program.

The first time you select Parental control, you are prompted to create a password. Use the numeric keys on the remote control to enter your password.

The **PARENTAL CONTROLS SETTINGS** window appears.

Media Center — Parental control settings

4. You can perform these tasks, or change these settings:

   - **TV Ratings —** Turn on the "TV blocking" feature, and allow only certain TV programs to be displayed.

- **Movie/DVD ratings** — Turn on the movie and DVD blocking feature, and allow only certain movies to be displayed.
- **Change 4-digit code** — Change your parental controls password.
- **Reset parental controls** — Remove your password and reset all of the TV and movie viewing limits

5. After changing these settings, press **Back** on the remote control to return to the **Settings** window.

Changing the Language For DVD Movies

1. Point the remote control at the remote sensor, and press the **Start** button.

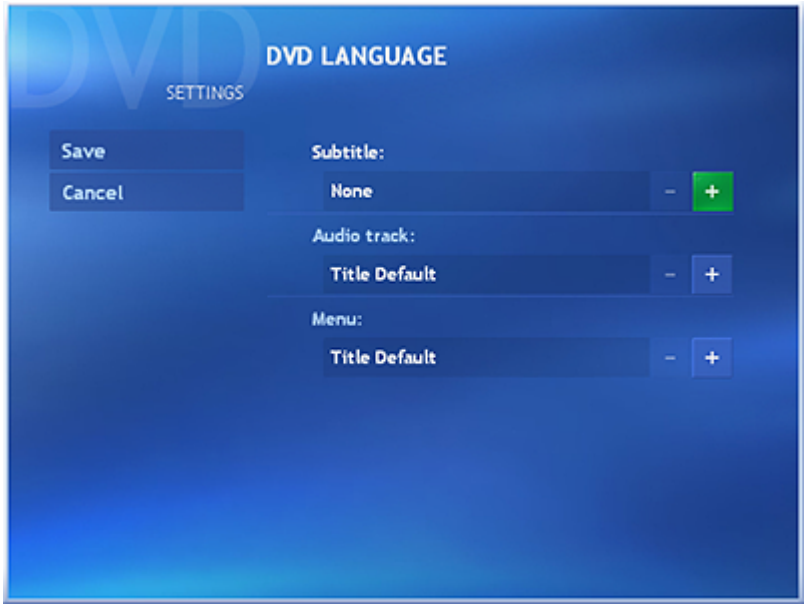
   The **Media Center Start** menu appears.

2. Use the arrow buttons on the remote control to select **Settings**. Press **OK**.

   The **Settings** window appears.

3. From the **Settings** window, select **DVD**, and then select **Language**.

Media Center — DVD Language



4. Use the arrow buttons to select the **+** or **-** controls, and then press **OK** to scroll through the list of available options.

5. When you locate the desired language, use the arrow buttons to select **Save**. Press **OK** on the remote control.

6. After changing these settings, press **Back** on the remote control to return to the **Settings** window.

Selecting Closed Captioning

You can select closed captioning to display the TV program's spoken audio in text format on the screen.

To select closed captioning

1. Point the remote control at the remote sensor, and press the **Start** button.

   The **Media Center Start** menu appears.

2. Use the arrow buttons on the remote control to select **Settings**. Press **OK**.

   The **Settings** window appears.

3. From the Settings window, select **TV**, and then select **Audio**.

   The **TV AUDIO** window appears.

Media Center — TV Audio

4. Use the arrow buttons to select the **+** or **-** controls, and then press **OK** to scroll through the list of available options:

   - **Audio** - Select stereo or Secondary Audio Program (SAP). If you select SAP, Media Center broadcasts simultaneously for a primary and secondary audio program that may contain a voice-over commentary or foreign language interpretation.
   - **Captioning** - Select CC1 or CC2 for closed captioning options. There may be no closed captioning available, depending on the broadcaster.
   - **Caption Display** - Select one of three options to turn Closed Captioning **on**, **off**, or **on when muted**.

5. After selecting available options, use the arrow buttons to select **Save**. Press **OK** on the remote control.

6. After changing these settings, press **Back** on the remote control to return to the **Settings** window.

VAIO Media Software

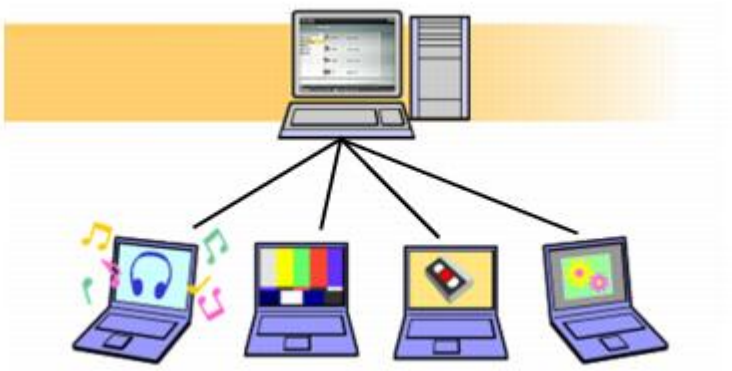
VAIO Media software expands digital entertainment possibilities by delivering your music, video, and still image files anywhere in your home! Set up one of the VAIO® computers on your home network to act as a media server, then get ready to share the fun and memories with your family and friends.

- VAIO Media Software Overview
- VAIO Media Software System Requirements
- Setting Up a Client Computer
- Preparing your Multimedia Content
- Starting VAIO Media Console
- Using VAIO Media
- Using an Analog Device for Video Playback

VAIO Media Software Overview

VAIO Media software makes it possible to share music, video, and photos with other VAIO® computers on your wired or wireless network. Set up one or more computers on your network as media servers and install the VAIO Media client software on the other computers. The computers with the VAIO Media client software installed can view multimedia content stored on the VAIO Media server computers.

VAIO® computer network



The VAIO computer that is designated as the media server can store and deliver:

- **Music files —** Supporting music files in MP3, WAV, OpenMG (ATRAC3), and WMA formats. Use SonicStage or SonicStage Mastering Studio software to create music playlists to share on your network.
- **Video files** — Supporting Video Capsule files created by Giga Pocket® software and TV programs recorded with Media Center.

  Only VAIO computers preinstalled with Microsoft® Windows® Media Center Edition or Giga Pocket software, ver. 5.0 or later, can be used as VAIO Media servers for video content.
- **Still image files** — Supporting picture files in JPEG, GIF, BMP, PNG, and TIFF formats. Use PictureGear Studio software to import, edit, and manage your pictures.
- **TV broadcast** — VAIO computers equipped with Giga Pocket software can stream a live TV signal to other VAIO computers connected to your network.
- **Analog stream** — VAIO computers equipped with Media Center can stream an analog signal from a connected analog device, such as a VCR, through the TV server.

About Microsoft Windows XP Media Center

Your new VAIO® computer has the Microsoft® Windows® XP Media Center operating system installed. When you start the Media Center software program for the first time, the Media Center setup process starts. Adjust the default settings before opening VAIO Media software on client and server computers. See Media Center — Getting Started for information on setting up Media Center.

VAIO® Media Center computers can share recorded television program files with other VAIO computers on your network, using VAIO Media software. Live TV viewing over a network is not supported by the Media Center.

VAIO Media Software System Requirements

Open VAIO Media software on server computer(s), register client computers to the server(s), and then share multimedia content between the network computers.

Server requirements

- The VAIO Media server requires VAIO® computers running Microsoft® Windows® XP Home Edition, Microsoft Windows XP Professional Edition, and Microsoft Windows Media Center Edition operating systems. VAIO Media software is not supported by other computers or environments.
- Connect the server and client computers through a wired network with ethernet cables or a wireless local area network (WLAN).
- Only VAIO® computer with Media Center or Giga Pocket® software, ver 5.0 or later, can be used as VAIO Media servers for video content.

Client requirements

- All client computers must be VAIO® computers running Microsoft® Windows® XP Home Edition, Microsoft Windows XP Professional Edition, and Microsoft Windows Media Center Edition operating systems. VAIO Media software is not supported by other computers or environments.
- All client computers must be connected to the same network with a server using a switch, ethernet cables, or a wireless LAN. Configure each client to use a switch or an access point on the network.
- All client computers must have VAIO Media software, ver 2.0 or later, installed before attempting to register.

Network requirements

The VAIO Media software network must meet one of the following network requirements:

- Use the Ethernet capability that is built into the VAIO® computer (10BASE- T/100BASE-TX/1000BASE-TX).
- Use a wireless LAN interface:
  - IEEE 802.11a (recommended for music, image, and video files)
  - IEEE 802.11g (recommended for music, image, and video files)
  - IEEE 802.11b (recommended for music and images files)

IEEE 802.11b is not recommended for video files due to bandwidth constraints.

Setting Up a Client Computer

From the server, copy and distribute the VAIO Media installer file to the client computers.

To copy and distribute the installer file

1. Click **Start** on the Windows® taskbar, and point to **All Programs**.
2. Point to **VAIO Media**, and click **Install VAIO Media to other VAIO PCs**.

   The **Using Other PCs** window appears.
3. Click **Get Installer**.

   A file download message box appears.
4. Click **Save**.
5. Save the file, **VM26Inst.exe,** to a blank storage media, such as a CD-R, CD-RW or Memory Stick® media, to transfer and set up the installer program on each client computer.

The VM26Inst.exe file is 19 MB in size. Verify your storage media's data capacity before attempting to save the program.

To register a client computer

Your server computer must be turned on during client registration to enable the registration of each client computer. You can register only one client at a time. If more than one client computer is actively seeking registration, the server computer recognizes and registers only one of the client computers. You must restart the registration process for the other client.

Begin the client computer registration process after you have installed the **VM26Inst.exe** file to the client.

1. Save the installer program to the client computer, and then double-click to open and install it. Follow the on-screen installation instructions.
2. Restart the client computer after installing the file. VAIO Media software appears in the **Start** menu.
3. Click **Start** on the Windows® taskbar, and point to **All Programs.**
4. Point to **VAIO Media,** and then click **Register to VAIO Servers**.
5. Follow the on-screen instructions to complete the **VAIO Media Registration** wizard.
6. On the server computer, follow these steps:
   1. From the **Start** menu, point to **All Programs**, and then point to **VAIO Media**.
   2. From the **VAIO Media** submenu, point to **Server Administration**, and click to open **VAIO Media Console**.

      The **VAIO Media Console** window appears.
   3. From the **Access Control Settings** tab, select the check box, **Access this computer from other devices connected to the network**.
   4. Select the option, **Restrict access this computer to manually-registered devices [Recommended]**.

      This option only allows registered computers access to the server.

      To allow VAIO® computers access to the server, select the option, **Allow all connectable devices to access this computer**.
   5. Click **Register**.

      The **Device Registration** window appears.

If you want to use a confirmation number to register your computer, verify that the **Use the confirmation number to register your device** check box is selected.

6. Click **Start Registration**.

Stand by mode is automatically canceled five minutes after clicking **Start Registration**.

7. From the server computer, accept the new client.

As the server and client computers recognize each other, the server computer generates a four-digit number for the client. Type this number on the client machine. Each client computer has a unique number that cannot be used by the other clients on the network.

If the registration process is cancelled, no number is generated. The registration process must begin again for that client computer.

8. Restart the client computer, if necessary. A new icon, **VAIO Home Network**, appears on the client's desktop.

The installation is complete and the registered client computer can access media files stored on the VAIO Media server.

Preparing your Multimedia Content

Use preinstalled Sony® software programs to prepare your multimedia content for sharing across the network with VAIO Media software.

To prepare your multimedia content

VAIO Media Console software has different server features to deliver various file formats.

- **VAIO Media Music Server software delivers music files** — Use SonicStage or SonicStage Mastering Studio software to create playlists of music files. The VAIO Media Music Server software automatically makes SonicStage software playlists available to Microsoft® Windows® XP Media Center and the client computers on your network.
- **VAIO Media Photo Server software delivers image files** — Use the Photo Server Content Manager to store and deliver your pictures for Media Center and the client computers on your network. VAIO Media Photo Server software recognizes .JPEG, .BMP, .GIF, and .TIFF file formats.
- **VAIO Media Video Server software delivers video files** — Media Center records TV programs and VAIO Media Video Server software delivers the recorded contents to the client computers on your network. You can also use a VAIO® computer with Giga Pocket® software[1], ver. 5.0 or later, to create Video Capsules. The VAIO Media Video Server software automatically makes your recorded TV content or Video Capsules available to the client computers on your network.

  Giga Pocket Personal Video Recorder software creates video content called Video Capsules, which are stored in locations known as cabinets.

- **VAIO Media TV Server software delivers an analog stream** — You can connect analog devices, such as a VCR, to a computer equipped with Media Center and stream video to other VAIO computers in your network.

VAIO Media software does not support live TV viewing across the network on your computer equipped with Media Center,. Only VAIO computers equipped with Giga Pocket software support live TV viewing across the network through the TV server.

[1] Giga Pocket® Personal Video Recorder hardware and software features are not installed on VAIO® computers running under the Microsoft® Windows® XP Media Center operating system

Starting VAIO Media Console

VAIO Media Console software enables you to register and grant access to the client computers on your network. You can also start and stop the servers that are installed on each client.

To configure client and server access

1. Click **Start** in the Windows® taskbar, and then point to **All Programs**.
2. Point to **VAIO Media**, point to **Server Administration**, and click **VAIO Media Console**.

   The VAIO Media Console software window appears, enabling you to:

   - Check the status of your servers
   - Troubleshoot problems
   - Start and stop one or more servers
   - See which devices are registered to the server.

To make additional content available to the network

After creating additional playlists, recorded TV programs, or other video content, you can make them available to client computers on your network.

1. Create or add new content (playlists, recorded TV programs, photos), using the appropriate software.
2. Close VAIO Media software, if it is running.
3. Refresh the VAIO Media software.

   Information about the new content is updated when the server software starts again.

When you stop and restart the server, it displays new connections and refreshes the content on the network computers.

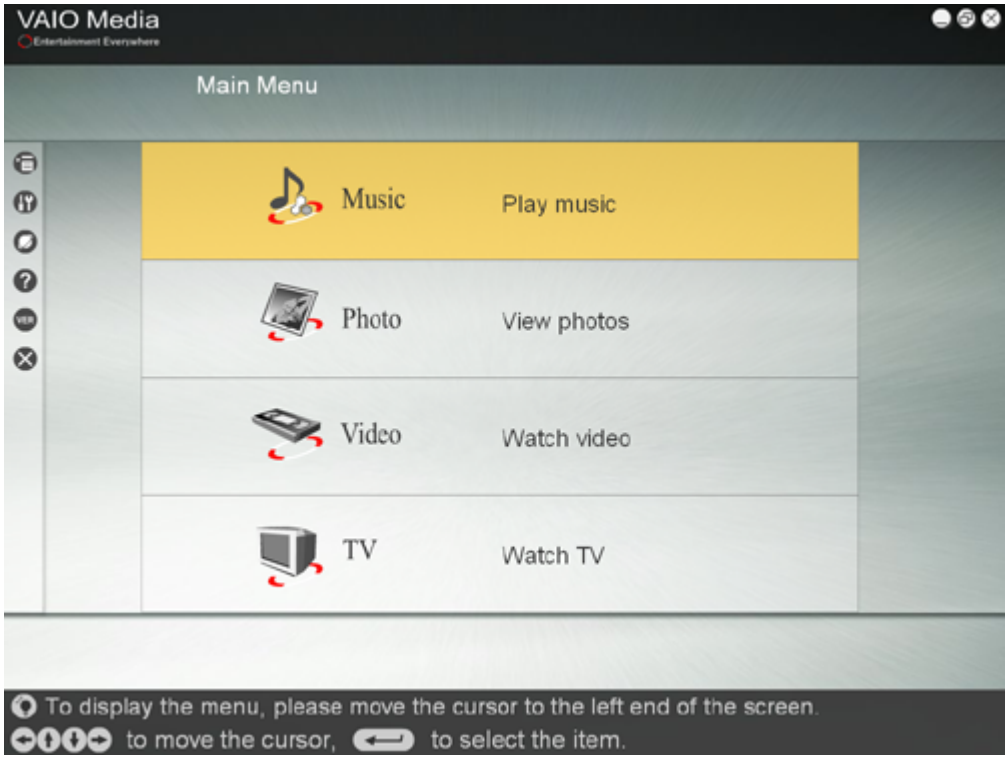
Using VAIO Media

VAIO Media uses your network servers to view images and video or listen to music.

1. Click **Start** in the Windows® taskbar, and then point to **All Programs**.
2. Point to **VAIO Media**, and then click **VAIO Media**.

   The **VAIO Media Main Menu** window appears.

VAIO Media Software — Main Menu



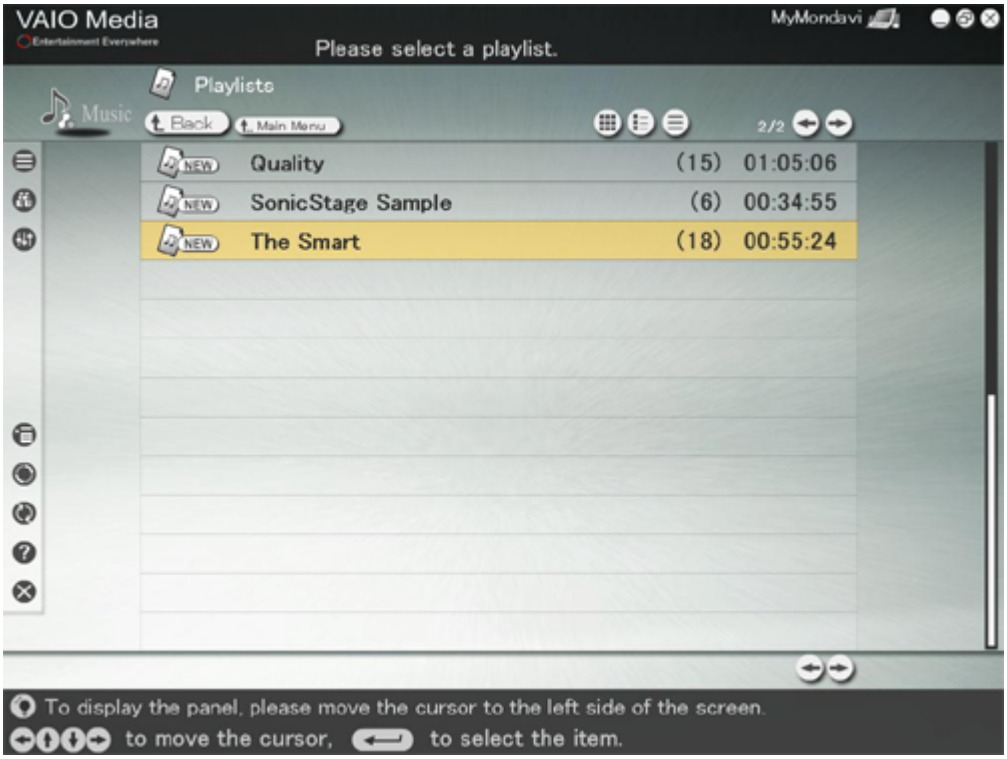
3. Click the type of content you want to view or listen to (Music, Photo, Video, or TV).

   VAIO Media software searches for an available VAIO Media computer on your network.

   - If more than one VAIO Media computer is found, the **Please select a server** window appears. Select your desired VAIO Media computer from the list.
   - If only one VAIO Media computer is found on your network, the **Playlists** window (music), the **Folders** window (images), or the **Video Cabinets** window (video) appears, depending upon the type of content you selected.

     These menus display playlists, image folders, or video cabinets available on the VAIO® Media computer or the **Channel List** window for the TV server.

VAIO Media Playlists (Example)



4. Click the playlist, image folder, or video cabinet you want to view or listen to.

- **Playlists window** — When you click a playlist on the **Playlist** window, it displays a list of the music files on the playlist, and the first music file on the playlist begins playing.
- **Folders window** — When you click a folder on the Folders window, it displays thumbnail images of the image files in that folder. Click an image thumbnail to view the image file.
- **Video cabinets window** — When you click a folder on the video cabinets window, it displays a list of Video Capsules in the cabinet. Click a Video Capsule on the list to view it.
- **Channel List window** — When you connect an analog device, such as a VCR, to your computer, you may need to change the channel to see video playback.

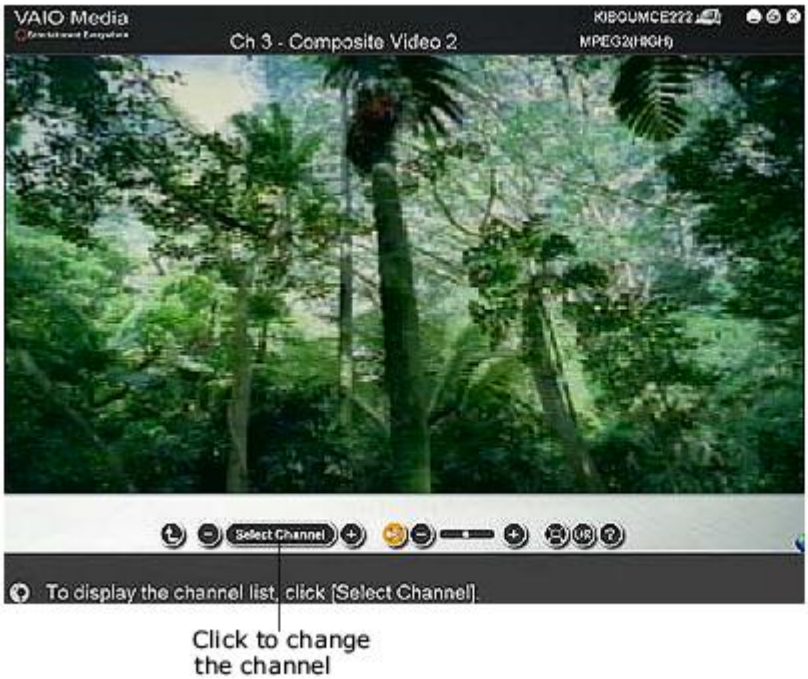
Using an Analog Device for Video Playback

You can stream video content from an analog device, such as a VCR, using the VAIO Media TV server software, and watch video playback on your computer or across the network.

Setting up an analog device

1. Connect one end of the A/V cable to the Video Out port on your analog device.
2. Connect the other end of the A/V cable to the Composite Video In jacks, located on the front or back of your computer equipped with Media Center.
3. Begin playback using the analog device.
4. On your computer, click **Start** and point to **All Programs**.
5. Point to **VAIO Media**, and then click **VAIO Media**.
6. Click **TV Server**. One of the following windows appears:
   - If there are other TV servers that can stream analog input on your network, VAIO Media software displays them on the server list. Click to select the computer equipped with Media Center from the server list.
   - If your computer is the only TV server on the network that can stream analog input, then playback begins.

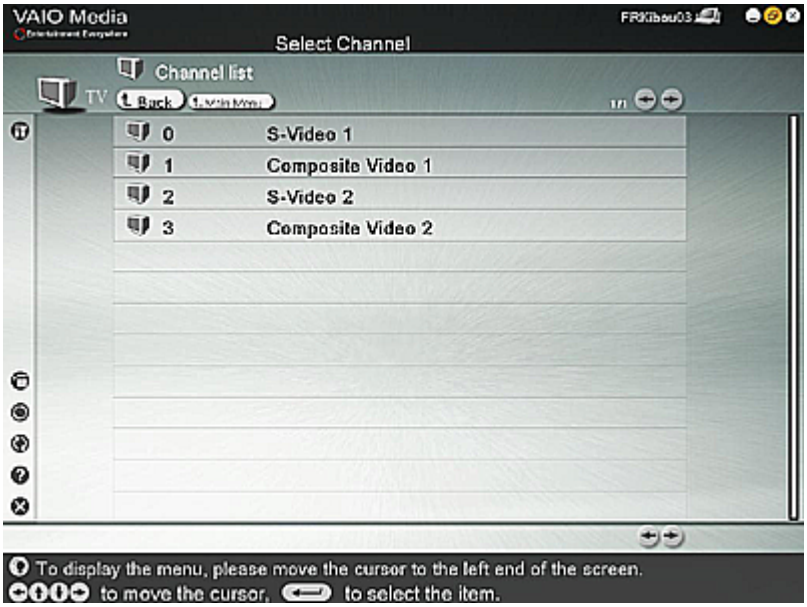
Playback


VAIO Media
Ch 3 - Composite Video 2
Select Channel
To display the channel list, click [Select Channel].
Click to change the channel

- If the playback window is empty, click **Select Channel**. VAIO Media software assigns a channel to each A/V input jack. You may need to change the channel to view the video.

  The **Channel list** window appears.

Channel list


VAIO Media
Select Channel
Channel list
TV
Back
0 S-Video 1
1 Composite Video 1
2 S-Video 2
3 Composite Video 2
To display the menu, please move the cursor to the left end of the screen.
to move the cursor, to select the item.

Channel	Input	Location
0	S-Video 1	The S-video In jack on the back panel of the computer.
1	Composite Video 1	The Composite video In jack on the back panel of the computer.
2	S-Video 2	The S-video In jack on the front panel of the computer.
3	Composite Video 2	The Composite video In jack on the front panel of the computer.

Configuring Your VAIO Computer

This section provides basic information about managing your computer's hard disk drive performance, using i.LINK devices, CompactFlash cards, SmartMedia cards, Memory Stick media, PC Cards, and changing default settings. Your computer may not be equipped with all of the hardware features described in this section, depending on the system configuration purchased. To view the specific hardware configuration for your computer, see the online Specifications sheet.

- About the Memory Stick Media Slot
- About the SmartMedia Card Slot
- About the CompactFlash/Microdrive Media Slot
- About i.LINK Compatibility

About the Memory Stick Media Slot

Your VAIO® computer is equipped with a Memory Stick® slot that supports certain types of Memory Stick® media.

About Memory Stick media

Memory Stick® media are a compact, portable, and versatile data storage media designed for exchanging and sharing digital data with compatible devices. The following types of Memory Stick media are available, but compatibility with your computer can vary.

- **MagicGate Memory Stick® media** — Provides copyright protection with authentication and encryption, using Sony® MagicGate technology. Authentication ensures that protected content is only transferred between compliant devices and media. Protected content can be recorded and transferred in an encrypted format that prevents unauthorized duplication or playback. You can store different data formats on a single Memory Stick media.
- **Memory Stick PRO media** — Provides MagicGate copyright protection and high-speed data transfer features when used with compatible Memory Stick PRO devices. VAIO® computers support Memory Stick PRO media for data storage purposes only. Currently, high-speed data transfer and the MagicGate technology features, such as authentication and encryption, are not available. You can store different data formats on a single Memory Stick media.
- **Memory Stick® media** — Provides data storage only. The Memory Stick media does not provide MagicGate technology or high-speed data transfer. You can store different data formats on a single Memory Stick media.

Currently, Sony® SonicStage and OpenMG software are not compatible with the new Memory Stick PRO media. Sony suggests using only MagicGate Memory Stick media to store and transfer any data created with SonicStage or OpenMG software.

Visit the Sony Computing Support Web site at http://www.sony.com/pcsupport regularly for the latest information on Memory Stick® media.

Memory Stick media do not support video file playback directly from the media. Copy the video file to your hard disk drive and then play back the file.

To insert a Memory Stick media

1. Insert the Memory Stick® media into the Memory Stick media slot.
2. Use your fingertip to pull open the upper front panel cover.
3. If the media does not insert easily, remove it from the slot and verify that it is not upside-down or backwards. Carefully reinsert the Memory Stick media, but do not force it into the slot.

To remove a Memory Stick media

A small portion of the Memory Stick media remains extended when it is inserted into the Memory Stick media slot.

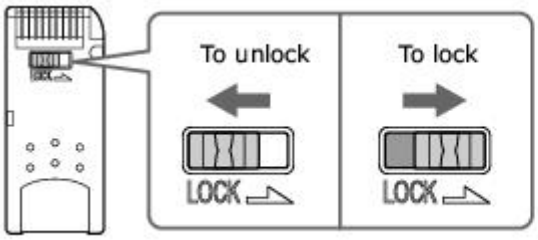
1. Press the extended portion of the Memory Stick media to release it from the Memory Stick slot. The media extends further, enabling you to grasp it.
2. Remove the Memory Stick media from the slot carefully.

Do not remove the Memory Stick media while the media access indicator light is on. The media or its data may become damaged.

To protect data on Memory Stick media

Memory Stick media contain a write-protect tab. The write-protect tab prevents accidental changes to information recorded on your Memory Stick media. When you slide the write-protect tab to the LOCK position, your Memory Stick media is write-protected. You cannot delete, copy, or save information on the media while the write-protect tab in the LOCK position. When you slide the tab to the un-LOCK position, you can write to or modify your Memory Stick media's contents.

Locking the Memory Stick Media


To unlock
To lock
LOCK
LOCK

Additional information about Memory Stick media

If your computer does not recognize your Memory Stick® media, you may have removed the media from the Memory Stick slot before data access had completed. If this occurs, follow these steps:

1. Remove the Memory Stick media from the slot.
2. Shut down your computer by closing any open software programs, and then turn off your computer.
3. Wait approximately 30 seconds, and then restart your computer.

Your computer recognizes the Memory Stick media, when you insert it into the Memory Stick slot again.

About the SmartMedia Card Slot

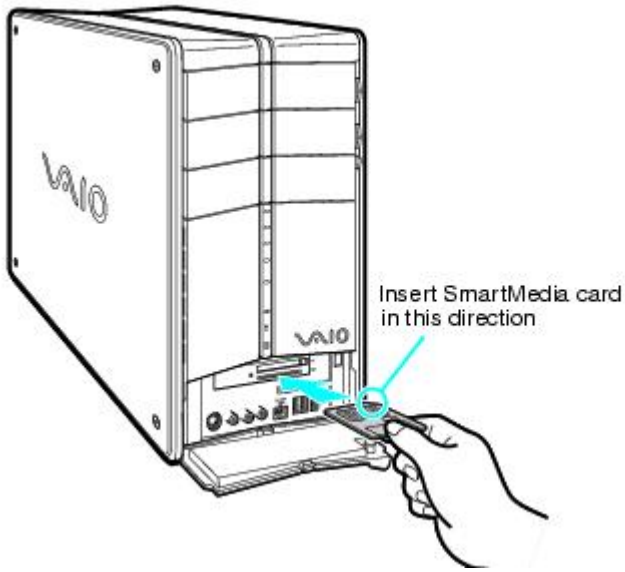
Your VAIO® computer is equipped with a SmartMediaTM card slot that supports SmartMedia cards.

Inserting a SmartMedia card

1. Insert the SmartMedia card into the SmartMedia card slot.

Always insert a SmartMedia card into the SmartMedia card slot for proper operation. Do not insert any other type of card into the SmartMedia card slot.

Inserting a SmartMedia card

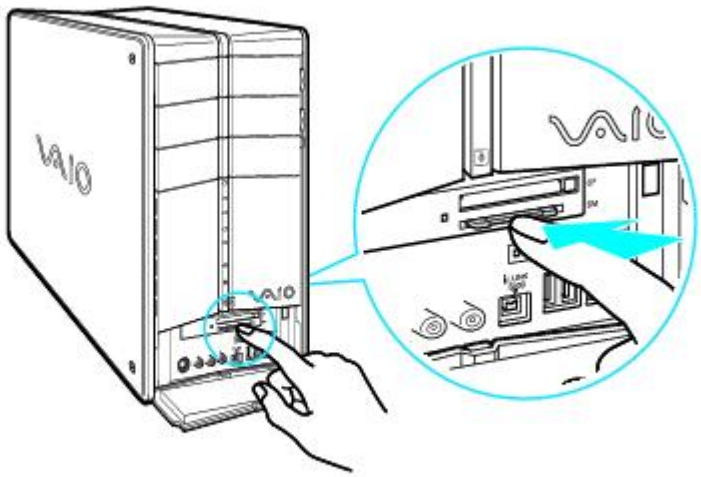


2. If the media does not insert easily, remove it from the slot and verify that it is not upside-down or backwards. Carefully reinsert the SmartMedia card, but do not force it into the slot.

Removing a SmartMedia card

1. Press the extended portion of the SmartMedia card to release it from the SmartMedia card slot. The media extends further, enabling you to grasp it.

Removing a SmartMedia card



2. Remove the SmartMedia card from the slot carefully.

Do not remove the SmartMedia card while the media access indicator light is on. The media or its data may become damaged.

Additional information about SmartMedia Cards

If you plan to share your media card between your VAIO® computer and devices such as a digital camera or music player, the media must be formatted properly.

- Format the media card by using it in the device first. See the information supplied with the device for details on formatting media.
- If your device does not recognize the media that has been formatted by your computer:

  1. Save the media contents to your hard disk drive.
  2. Reformat the media with the device.

About the CompactFlash/Microdrive Media Slot

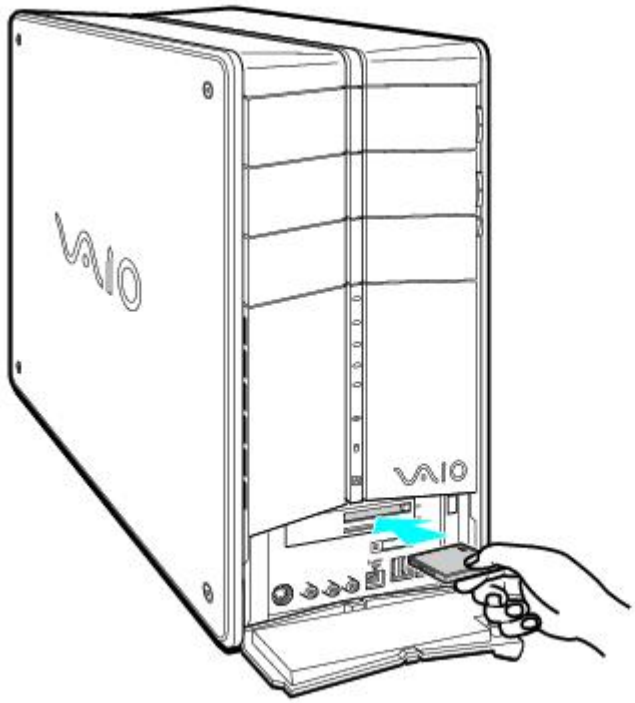
Your VAIO® computer is equipped with CompactFlash®/MicroDrive media slot that supports both CompactFlash® and Microdrive media.

To insert a media card

1. Insert the media card into the card slot.

Always insert an appropriate media card into the CompactFlash/Microdrive media card slot for proper operation. Do not insert any other type of media card into the CompactFlash/Microdrive media slot.

Inserting a CompactFlash or Microdrive media card

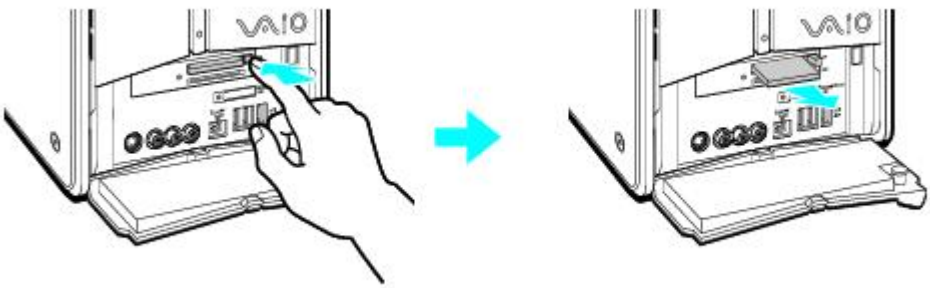


2. If the media does not insert easily, remove it from the slot and verify that it is not upside-down or backwards. Carefully reinsert the media card, but do not force it into the slot.

Removing a CompactFlash or Microdrive media card

1. Press the media card eject button to release it from the media card slot. The media extends further, enabling you to grasp it.

Removing a CompactFlash or Microdrive media card



2. Carefully remove the media card from the slot.

Do not remove the media card while the media access indicator light is on. The media or its data may become damaged.

Additional information about CompactFlash and Microdrive media Cards

If you plan to share your media card between your VAIO® computer and devices such as a digital camera or music player, the media must be formatted properly.

- Format the media card by using it in the device first. See the information supplied with the device for details on formatting media.
- If your device does not recognize the media that has been formatted by your computer:

  1. Save the media contents to your hard disk drive.
  2. Reformat the media with the device.

About i.LINK Compatibility

Your VAIO® computer may be equipped with a 4-pin and/or a 6-pin i.LINK® port, depending on the system configuration purchased. A 4-pin i.LINK port cannot supply power to a connected i.LINK device. A 6-pin i.LINK port can supply power (10V to 12V) to a connected i.LINK device, if the device is equipped with a 6-pin connector.

To view the hardware configuration for your computer, see the online *Specifications* sheet.

The total power supplied by the 6-pin i.LINK port cannot exceed 6 watts.

For PCV-W series models only

Your PCV-W series computer has two 4-pin i.LINK ports available to connect your digital devices. The 4-pin i.LINK ports do not supply power to a connected i.LINK device.

For PCV-V series models only

Your PCV-V series computer has one 4-pin i.LINK port available to connect your digital devices. The 4-pin i.LINK port does not supply power to a connected i.LINK device.

i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connection. The i.LINK connection may vary, depending on the software programs, operating system and compatible i.LINK devices. All products with an i.LINK connection may not communicate with each other.

Please refer to the documentation that came with your compatible i.LINK device for information on operating conditions and proper connection. Before connecting compatible i.LINK devices to your system, such as an optical or hard disk drive, confirm their operating system compatibility and required operating conditions.

Connecting an i.LINK (IEEE 1394) device

1. Use the symbol to locate the i.LINK port on your compatible i.LINK device and on your computer. Plug the i.LINK cable connector into this port.
2. Plug the other end of the cable into the corresponding 4- or 6-pin i.LINK port on your computer.

See the instructions that came with your i.LINK device for more information on installation and use.

Upgrading and Maintaining your VAIO Computer

In the future you may want to increase the functionality of your VAIO computer. This section describes how to perform basic upgrades and maintenance on your system. For more information on upgrading your computer, see your model's *System Reference Manual*. You can download the *System Reference Manual* from the Sony Web site at http://www.sony.com/pcsupport.

- Overview
- About Opening the System Unit
- About Add-on Card Installation
- Installing Memory
- About the Lithium Battery
- About Hard Disk Drive Installation

Overview

The upgrading procedures described in this section assume that you are familiar with the general terminology associated with personal computers, safety practices, required regulatory compliances, and the modification of electronic equipment.

Before upgrading your computer

Disconnect the computer from its power source and from telecommunications links, networks, or modems before you open the unit or follow any procedures described in this section.

Failure to disconnect your computer from its power source may result in personal injury or equipment damage. Always turn the power off before you open the system or connect your computer to peripheral equipment. Otherwise, damage may occur to the integrated circuits in your computer.

Your computer may not be equipped with all of the hardware features mentioned in this section. The interior hardware configuration of your system may vary from the illustrations, depending on the computer purchased. To view the specific hardware configuration for your system, see the online specifications sheet.

You may need to temporarily remove add-on cards or other components that may be near the slot cover you plan to remove.

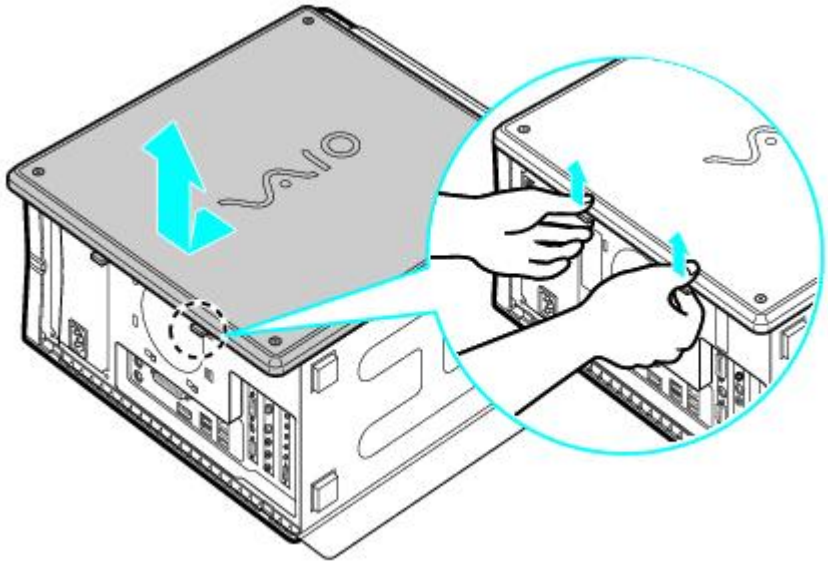
Electrostatic discharge (ESD) can damage disk drives, add-on cards, and other components. Follow the procedures described here only at an ESD workstation. If such a station is not available, do not work in a carpeted area and do not handle materials that produce or hold static electricity (for example, cellophane wrappers). Ground yourself by maintaining continuous contact with an unpainted metal portion of the chassis while performing the procedure.

About Opening the System Unit

Removing the side panel

1. Shut down your computer and turn off all peripheral devices, such as your printer.
2. Unplug your computer and disconnect any peripheral devices.
3. Place the system unit on its side.
4. Locate the two tabs on the back edge of the right side panel.
5. Press up on these tabs and slide the side panel towards you.
6. Lift the side panel up and set aside.

Removing the side panel



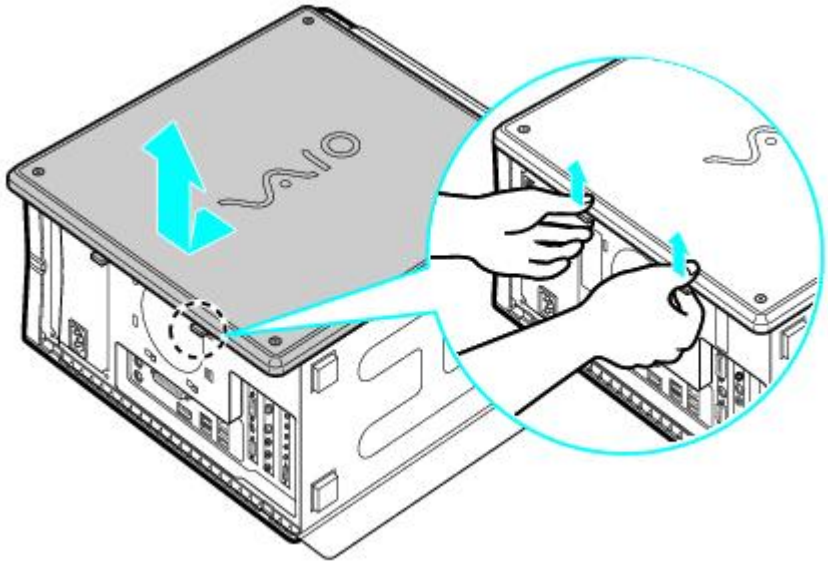
If you remove the side panel immediately after you shut down your computer, the components may be too hot to touch. Wait until the internal parts of the system unit cool down before you attempt to remove the side panel.

About Opening the System Unit

Removing the side panel

1. Shut down your computer and turn off all peripheral devices, such as your printer.
2. Unplug your computer and disconnect any peripheral devices.
3. Place the system unit on its side.
4. Locate the two tabs on the back edge of the right side panel.
5. Press up on these tabs and slide the side panel towards you.
6. Lift the side panel up and set aside.

Removing the side panel

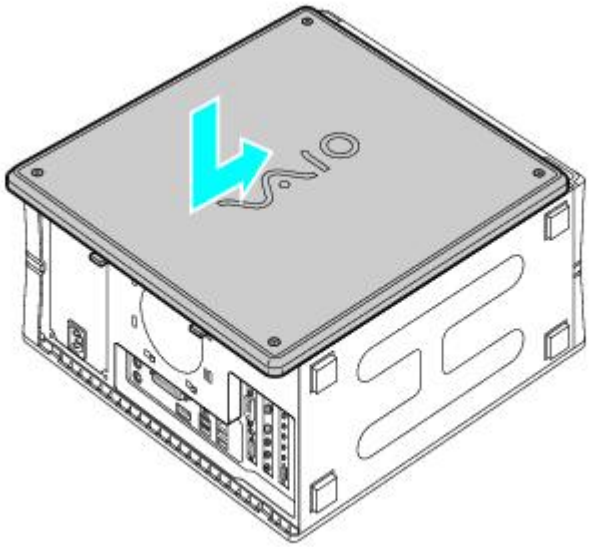


If you remove the side panel immediately after you shut down your computer, the components may be too hot to touch. Wait until the internal parts of the system unit cool down before you attempt to remove the side panel.

Replacing the side panel

1. Place the system unit on its side.
2. Align the tabs on the side panel to the tracks on the chassis frame.
3. Gently slide the side panel onto the chassis, until the tabs lock the panel into place.

Replacing the side panel



About Add-on Card Installation

Your computer may have one or more open expansion slots, depending on the model configuration. An expansion slot enables you to install add-on cards to expand the functionality of your system. The length of the add-on card should not exceed 9.05 inches.

Add-on card configuration varies by model. Some models, such as Configure-to-Order (CTO) systems, may contain preinstalled add-on cards.

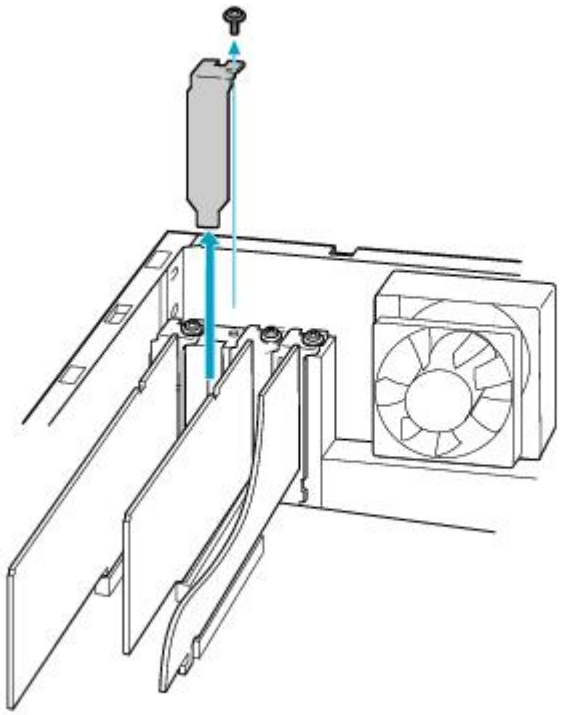
Observe the proper safety precautions when you add cards to your Sony computer. See Before upgrading your computer.

Installing an add-on card

1. Shut down your computer and turn off all peripheral devices, such as your printer.
2. Unplug your computer and any peripheral devices.
3. Remove the side panel. See Removing the side panel.
4. Locate an available expansion slot. Remove the slot cover's screw, and then remove the slot cover.

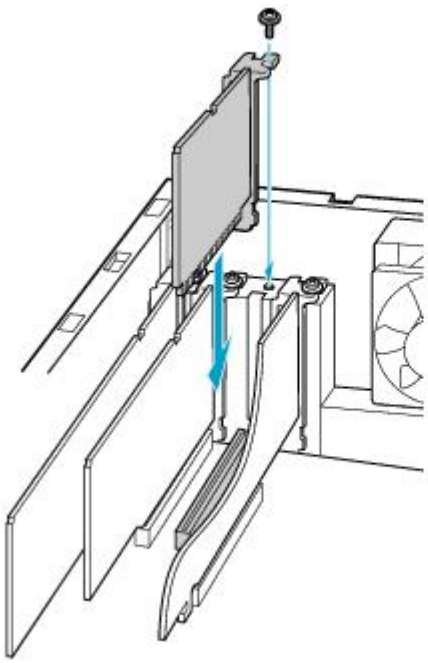
When removing a slot cover, be careful not to damage components on the system board or add-on cards. You may need to temporarily remove add-on cards or other components that may be next to the slot cover you want to remove.

Removing the slot cover



5. Install the add-on card by inserting it into the expansion slot and secure it with the screw from the expansion slot cover.

Installing an add-on card



6. Attach any internal cables that the card requires. See the instructions supplied with the add-on card.
7. Replace the side panel. See Replacing the side panel.
8. Reconnect the power cord and all peripheral devices.
9. Turn on the computer.

Installing Memory

The amount of preinstalled memory may vary, depending on the system configuration you purchased. Your computer may ship with all available memory slots filled. For memory replacement or upgrades, use the correct memory module for your computer's configuration. See the online *Specifications* sheet for details about the amount of memory installed in your computer.

You can purchase additional memory modules, accessories, and peripheral equipment from your local retailer.

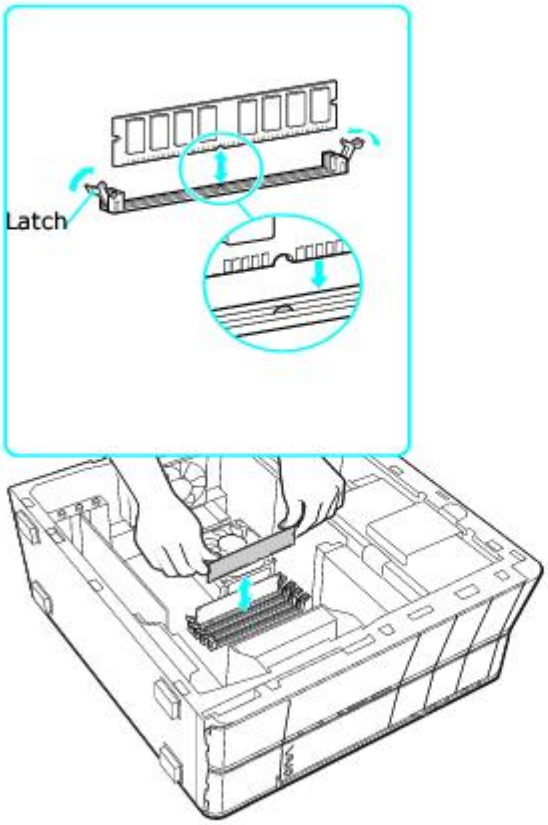
Observe the proper safety precautions when you add or remove the memory in your computer. See Before upgrading your computer.

Removing a memory module

1. Shut down your computer and turn off all peripheral devices, such as your printer.
2. Unplug your computer and all peripheral devices.
3. Remove the side panel. See Removing the side panel.
4. Gently place the unit on its side. If necessary, remove any cables, add-on cards, or other components to access the memory module slots.
5. Locate the memory module(s) you wish to remove.
6. Push down on the latches, located on both sides of the module, to gently eject it from the slot.
7. Grasp one edge of the module and lift it out. Store the module in a static-free bag.

⚠ **Gently handle the memory module by the sides only. Avoid touching the pins located at the bottom edge of the module.**

Removing/Installing memory



Installing a memory module

1. Shut down your computer and turn off all peripheral devices, such as your printer.
2. Unplug your computer and any peripheral devices.
3. Remove the side panel. See Removing the side panel.
4. Gently place the unit on its side. If necessary, remove any cables, add-on cards, or other components to access the memory module slots.
5. Remove the memory module from its anti-static package, handling it by the the edges.
6. Locate the notch on the bottom edge of the module and align it over the open memory slot.
7. Firmly insert the bottom edge of the memory module into the slot.
8. Press down evenly against the module's upper corners. The end latches snap into position, holding the module in place.

   To avoid damaging a memory module slot, move the end latches slightly outward to relieve pressure. The module clicks into place.
9. Reinstall any components or add-on cards you may have removed.
10. Replace the side panel. See Replacing the side panel.

About the Lithium Battery

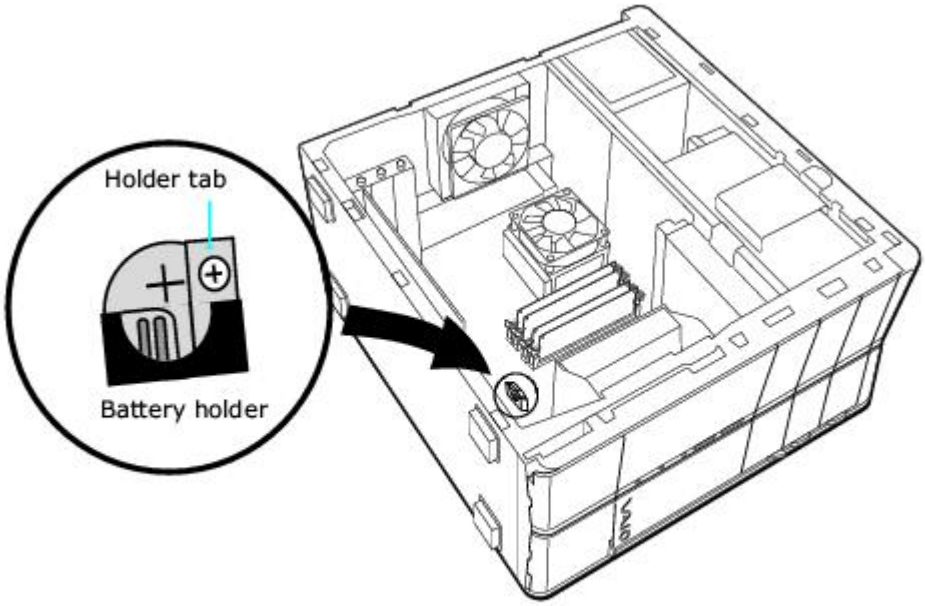
The lithium battery starts to weaken after several years and the system settings, such as the date and time stored in CMOS RAM, may become inaccurate. Replace the lithium battery when this occurs.

There is danger of the battery exploding if it is replaced incorrectly. Replace the battery only with a CR2032-type lithium battery.

Replacing the lithium battery

1. Write down any changes you may have made to the settings in the BIOS Setup utility.
2. Shut down your computer and turn off all peripheral devices, such as your printer.
3. Unplug your computer and the peripheral devices.
4. Remove the side panel. See Removing the side panel.
5. If necessary, remove any cables, add-on cards, or other components to access the lithium battery.
6. Gently push the battery holder's tab away from the battery and remove the battery from the holder.
7. Install the new battery with the plus (+) side facing the battery holder tab.

Installing a lithium battery



8. Replace the side panel. See Replacing the side panel.

The values stored in the CMOS memory are now reset to the factory default values. Run the Setup utility to reset the date, time, passwords, and other changes you may have made to the BIOS settings. If you do not wish to customize your BIOS settings, do not run the Setup utility.

Dispose of the lithium battery properly. In some areas, the disposal of lithium batteries in household or business trash may be prohibited. You can return your unwanted lithium batteries to your nearest Sony Service Center or Factory Service Center. To locate a Service Center near you, visit the Sony Computing Support Web site at http://www.sony.com/pcsupport.

Resetting the computer's date and time

To reset your computer's date and time:

1. Double-click the time readout displayed in the Windows® Taskbar Notification area. The Date and Time properties window appears.

2. From the Date & Time tab, change the settings as desired. Click **Apply**, and then click **OK**.

About Hard Disk Drive Installation

Your computer comes with an available internal bay to hold a second standard 3½-inch hard disk drive. Some models, such as Configure-to-Order (CTO) systems, may already have a second hard disk drive installed. Your system can support ATA-33, ATA-66, or ATA-100 hard disk drives. Sony recommends using an ATA-100 hard disk drive to take full advantage of your system's features.

✍ The hard disk drive access light blinks when either internal hard disk drive is active.

Replacing the original hard disk drive

If you replace the original, factory-installed hard disk drive, you may need to correct your drive mapping, create a VAIO Recovery Media Kit, or visit the Sony Online Support Web site for more information.

About drive mapping

When a new hard disk drive is installed, the original drive mapping[1] may be changed. The identified drives, including those for removable media[2], may not reflect correct drive/icon associations. For more information on how to correct your drive mapping, visit the Sony Online Support Web site at http://www.sony.com/pcsupport.

About hard disk drive recovery

When you replace the original hard disk drive, the preinstalled VAIO Recovery Wizard utility program cannot restore the drive partitions, operating system, or original software programs. Before replacing the hard disk drive, create a VAIO Recovery Media Kit or purchase a kit from Sony.

Your VAIO® computer is not supplied with System or Application Recovery CDs. Use the VAIO Recovery Wizard utility to recover your computer's operating system and preinstalled software programs.

For more information about the VAIO Recovery Wizard utility program:

1. Click **Start** from the Windows® taskbar, and then click **Help and Support**.
2. From the **VAIO Help and Support Center**, click **VAIO Recovery Options**.

Using the Sony Online Support Web site

For detailed information about installing additional hard disk drives, see the *System Reference Manual*. You can download the *System Reference Manual* from the Sony Online Support Web site at: http://www.sony.com/pcsupport.

Your computer must be connected to the Internet to access the Sony Online Support Web site.

From the Sony Online Support Web site:

1. Click on **Computers & Peripherals.**
2. Use the drop-down list boxes to select your product, series, and model information. Click **Model Support Page**. The model-specific support Web page appears.
3. Under **Documentation**, click ***System Reference Manual*** or ***System Reference Guide***.

Observe the proper safety precautions when you upgrade your Sony computer. See Before upgrading your computer.

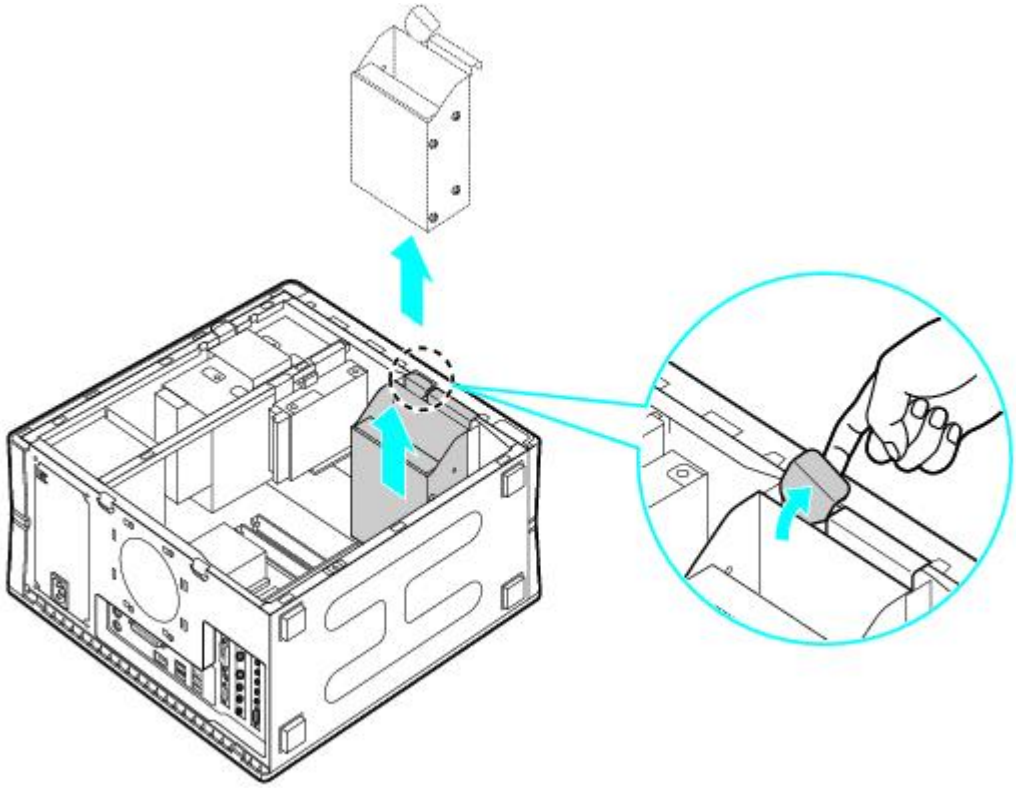
[1] Drive mapping refers to the assignment of an identifying letter to a specific drive, such as Drive C or Drive D which identify the original hard disk drive.

[2] Your computer may be equipped with other media drives, such as a Memory Stick®, SmartMedia , CompactFlash®, or Microdrive media slot. See the online Specification sheet for more information about your computer's hardware configuration.

Installing an additional hard disk drive

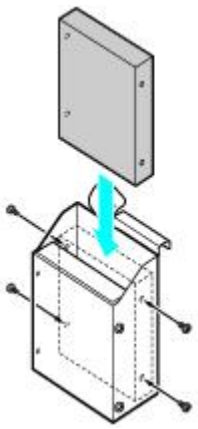
1. Shut down your computer and turn off all peripheral devices, such as your printer.
2. Unplug your computer and any peripheral devices.
3. Remove the side panel. See Removing the side panel.
4. Configure the jumpers on the new drive as a slave. See the configuration instructions supplied with your drive.
5. Detach the power and drive cables from the original hard disk drive that is preinstalled in your computer.
6. Unlock the drive holder from the chassis by pulling the drive holder tab up at a slight angle.
7. Slide the drive holder out.

Removing the drive holder



8. Slide the new drive into the drive holder and align the holes on each side of the drive bay.
9. Secure the drive to the drive holder with screws, through the holes on each side of the drive holder.

Attaching the drive screws



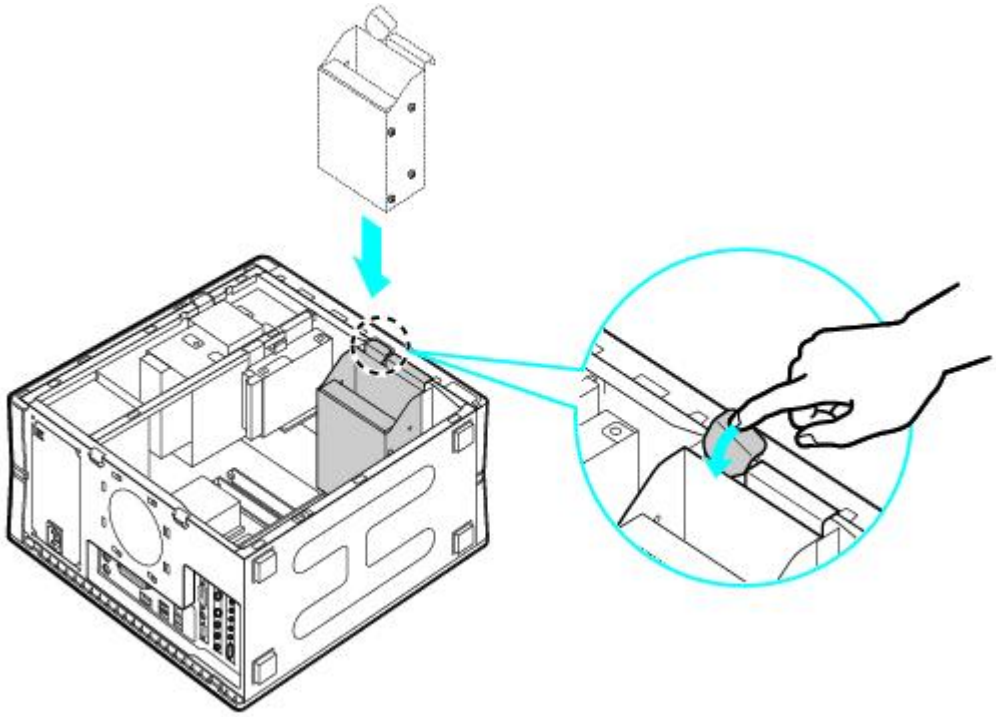
✍ Your new hard disk drive is supplied with the necessary screws. Do not overtighten these screws when securing the drive to the drive holder.

10. Align the drive holder with the tracks on the inside of the chassis. Slide the drive holder in completely.
11. Push down on the drive holder tab to lock the drive into position.

12. Connect the second drive connector to the new drive. Orient the connector to align pin 1 on the red side of the ribbon cable with pin 1 on the new drive.

13. Connect the second power connector to the new drive following the instructions supplied with the drive.

Replacing the drive holder



14. Replace the side panel. See Replacing the side panel.

15. Reconnect the power cord to your computer.

Identifying the additional hard disk space

When you initialize the new hard disk, it must be configured as an extended partition in Windows NT file system (NTFS) format.

1. Log on to Windows® as Administrator.
2. Click **Start** in the Windows taskbar, then right-click **My Computer**. A shortcut menu appears.
3. Select **Manage**. The Computer Management window appears.
4. Under the file directory on the right, go to **Storage** and then select **Disk Management**.
5. Right-click on the newly installed, unformatted hard disk (Disk label identified with red marking). From the shortcut menu, select **Initialize Disk**.
6. Click on the Unallocated area of the disk and then right-click to display a shortcut menu.
7. Select **New Partition**. The New Partition wizard appears.
8. Follow the wizard's on-screen instructions to complete the process.

The Windows® XP operating system recognizes the new hard disk drive and applies the NTFS format.

Troubleshooting

This section describes how to troubleshoot common problems. You can also find helpful information on how to use your computer's hardware features and preinstalled software. Your computer may not be equipped with all of the features or software discussed in this section, depending on the system configuration purchased.

- About VAIO Computer Functions
- About Using the Optical Disc Drive(s)
- About Media Center
- About the Mouse and Keyboard
- About the Modem
- About the Speakers
- About Using a Microphone
- About Using Peripheral Equipment

My computer does not start.

- Verify that the computer is plugged into a power source and that it is turned on. Check that the power indicator is lit on the front panel of the computer.
- Confirm that a disk is not in the floppy disk drive[1] (unless you are using a bootable floppy disk).
- Confirm that a CD is not in an optical drive (unless you are using a bootable CD).
- Confirm that the power cord and all cables are connected firmly.
- If you plugged the computer into a power strip or Uninterruptible Power Supply (UPS), make sure the power strip or UPS is turned on and working.
- Verify that the monitor is plugged into a power source and turned on.

  If your system has a built-in monitor, confirm that it is plugged into an appropriate power source and that the system is turned on.
- Verify that the brightness or contrast control dials are adjusted correctly. (See the manual that came with your display for details.)
- Confirm that the computer is not in stand by mode by pressing any key on the keyboard.

[1] Certain VAIO computers are not equipped with a floppy disk drive. You can purchase this equipment separately.

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Why did my computer or software stop responding?

You can try to locate and close the software program that has stopped responding.

1. Press the **Ctrl+Alt+Delete** keys. The **Windows Task Manager** window appears.
2. From the Applications tab, locate the software program that has the status message, "**Not responding**."
3. Select the software program that has a **Not Responding** status and click **End Task**. Windows attempts to close the program.

If your computer does not respond or the software program does not close, try the following steps:

1. Save any open files, if possible.
2. Press the **Alt+F4** keys. The **Turn Off Computer** window appears.
3. Click **Restart**.

If your computer still does not respond and you cannot restart, shut down your computer by pressing and holding the power button for more than six seconds.

If the software program continues to stop responding or causes your computer to stop responding, contact the software publisher or designated technical support provider.

Pressing and holding the power button for more than six seconds may result in the loss of data from files that are currently open.

Why does the Windows operating system stop responding during shutdown?

The Windows operating system may not shut down properly for many reasons, including incompatible or conflicting drivers, damaged files, or non-responsive hardware. For troubleshooting information, you can search Windows Help.

1. Click **Start** in the Windows taskbar and select **Help and Support**. The **VAIO Help And Support Center** menu appears.

2. Select **Fixing a Problem** and then select **Startup and Shut Down problems**. A list of specific problem topics appears on the right side of the dialog box.

3. Select **Startup and Shutdown Troubleshooter**. Follow the on-screen instructions according to your specific situation.

Why is my system running slowly?

- The system responsiveness varies depending with the number of software programs that are open and running. Close any programs that you are not currently using.
- Increasing the system memory may also help. For information on installing memory, please see the online VAIO User Guide.

  To access the online User Guide:

  1. Click **Start** in the Windows taskbar, and then click **Help and Support**.
  2. From the **VAIO Help And Support Center** menu, click **VAIO User Guide**.

How do I change the video resolution of my display?

1. Click **Start** in the Windows taskbar, and then select **Control Panel**.
2. Select **Appearance and Themes**, and then select **Change the screen resolution**.
3. Click the **Settings** tab.
4. Change the Screen resolution and Color quality to the desired levels.
5. Click **Apply** and then click **OK**.

About Using the Optical Disc Drive(s)

Your computer may not be equipped with all of the hardware features listed in this section. To view the specific hardware configuration for your system, see the online *Specifications* sheet.

Why doesn't my optical drive tray open?

To use the Eject button

1. Make sure the computer is turned on.
2. Press the Eject button on the drive.

To use the My Computer icon

1. Click **Start** in the Windows taskbar, then select **My Computer**.
2. Right-click the appropriate optical drive icon.
3. Select **Eject** from the shortcut menu.

Avoid using adhesive labels to identify your CD or DVD media. Adhesive labels may come off while the CD or DVD media is in use in your optical drive(s) and may cause damage to the unit.

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3. Select **Eject** from the shortcut menu.

Avoid using adhesive labels to identify your CD or DVD media. Adhesive labels may come off while the CD or DVD media is in use in your optical drive(s) and may cause damage to the unit.

Why can't I play a DVD or CD media?

- After inserting your CD or DVD, wait a few seconds for the system to detect it before trying to access it.
- Confirm that the disc is in the tray with the label side facing up.
- Install your CD or DVD software according to the manufacturer's instructions.
- If your drive reads some DVDs or CDs, but not others, check the shiny side of the disc for dirt or scratches.
- The preinstalled CD or DVD software may not be working properly. To recover this software, see the online guide, *VAIO Recovery Options*, for more information.

  To access *VAIO Recovery Options*, follow these steps:

  1. Click **Start** in the Windows® taskbar and click **Help and Support**.
  2. From the **VAIO Help And Support Center** menu, click **VAIO Recovery Options**.

Why isn't my DVD playing properly?

- If a region code warning appears when you are using a DVD player software program, it may be that the region code of the DVD you are trying to play is incompatible with the region code setting of your optical drive. A region code is listed on the disc packaging. Region code indicators such as "1" or "ALL" are labeled on some DVDs to indicate the type of player that can play the disc. Unless a "1" or "ALL" appears on the DVD or on its packaging, you cannot play the disc on this system.

- If you hear audio but cannot see video, your computer's video resolution may be set too high. To improve video resolution, verify that your screen area is set to 1024 x 768[1], using 32-bit color (preset factory default). To verify or change your video resolution:

    1. Click **Start** in the Windows taskbar and then select **Control Panel**.
    2. Select **Appearance and Themes**, then select **Change the screen resolution**.
    3. Click the **Settings** tab.
    4. Change the Screen resolution and Color quality to the desired levels.
    5. Click **Apply** and then click **OK**.

- If you see video but cannot hear audio, check all of the following:

    1. Verify that your DVD player's mute feature is turned off.
    2. Check the master volume setting in the Audio Mixer.
    3. Check the volume settings on your computer speakers.
    4. Check the connections between your speakers and the computer.
    5. Verify that drivers are installed properly, by following these steps:

        1. Click **Start** in the Windows taskbar, then select **Control Panel**.
        2. Click **Performance and Maintenance** and then click **Systems**. The System Properties dialog box appears.
        3. Select the **Hardware** tab and then select the **Device Manager** button to view installed drivers.

- A dirty or damaged disc may also cause the computer to stop responding while it tries to read the disc. If necessary, remove the disc and check that it is not dirty or damaged.

- The preinstalled CD or DVD software may not be working properly. To recover this software, see the online guide, *VAIO Recovery Options*, for more information.

    To access *VAIO Recovery Options*, follow these steps:

    1. Click **Start** in the Windows® taskbar and click **Help and Support**.
    2. From the **VAIO Help And Support Center** menu, click **VAIO Recovery Options**.

[1] The VAIO "W" series computer uses 1280 x 768 for the default video resolution setting.

Why doesn't the REW button on the remote control work when I use My Music?

The REW button does not "rewind" music files. Instead, press Replay on your remote control for a similar function.

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The REW button does not "rewind" music files. Instead, press Replay on your remote control for a similar function.

Why aren't the song information edits I made using SonicStage software shown in My Music?

If you record a song in OpenMG ATRAC format and make edits, such as title, artist, or genre, using SonicStage software, the changes become visible when the music file is played in My Music. If you make changes to a music file using Media Center, the changes are not visible when played in SonicStage software.

Why do my song information edits revert to the original content when I use My Music?

When you record songs with SonicStage software, and then use Windows® Media Player software to edit the song's information, you may not see your changes when you play the song in My Music. Windows Media Player supports playback of songs recorded in OpenMG (ATRAC3 or ATRAC3+) format, but does not support any edits made to the OpenMG format music files. Use SonicStage software to edit song information for music files that are recorded in OpenMG format.

Why do my optimized music files take so long to appear in My Music?

When you use SonicStage software to optimize music files to ATRAC3 or ATRAC3+ format, it may take a few moments for the music files to be available in My Music. To access these files sooner, start Windows Media Player software first, and then play the song with My Music.

Why do I get the error message, "The input media is invalid" when I try to play an MP3 file in My Music?

If you have added cover art to the MP3 file using SonicStage software, your file may contain an unsynchronized ID3v2 header. Media Center and Windows Media Play software programs cannot support playback of this file.

You can go to Microsoft® and download a patch to resolve this issue[1], as follows:

1. Go to http://support.microsoft.com.
2. Enter **814129** in the **Search the Knowledge Base** text box.
3. Click on the topic, **FIX: Error in Windows Media Player 9 Series When You Play Specific MP3 Files** located in the **Summaries: Search Results** area.
4. Follow the on-screen instructions to download and install the patch.

[1] The location of this information is subject to change or be removed without prior notice

Why won't My Music show the albums (playlists) I recorded with SonicStage software?

Playlists (albums) recorded with SonicStage software may not be immediately available in the Media Center Album window. To access these files sooner, start Windows® Media Player software first, and then play the song with My Music.

Why did my Click to DVD software recording session capture television instead of video?

If Media Center starts a scheduled TV recording while you are capturing analog video with Click to DVD® software, the TV programming may be captured instead of the video and the timed recording may fail. Media Center and the analog capture feature of Click to DVD software both require the use a TV tuner/MPEG encoder card and cannot access the card at the same time.

To avoid recording conflicts:

- Do not open Media Center while capturing analog video using Click to DVD or Click to DVD Automatic Mode software.
- Do not schedule a TV recording to start while capturing analog video, using Click to DVD or Click to DVD Automatic Mode software. If a scheduled TV recording is already set, cancel it or postpone the analog recording until the scheduled TV recording has finished.

Why can't I view or record a movie when my computer is connected to my VCR or DVD player?

If you see a blue background in the View window, the movie may be copyright-protected. Your computer is not able to display or record a video or DVD that is copyright-protected by Macrovision or CGMS-A (Copy Generation Management System - Analog).

Why can't I fast forward or rewind a video?

The rewind and fast forward features are not supported by all video formats. Try using the Skip or Replay buttons, which provides a similar function.

My computer freezes and restarts while I'm watching a DVD or live TV. What do I do?

Verify that the monitor refresh rate is set to 60 Hz, using the following steps:

1. Right-click on the desktop, and click **Properties** from the shortcut menu.

   The **Display Properties** window appears.

2. Click the **Settings** tab, and then click **Advanced**.

3. Click the **Monitors** tab, and in the **Monitor settings** box, confirm the screen refresh rate is set to 60 Hertz.

4. If the refresh rate is not set to 60 Hz, click the drop-down arrow, and select **60 Hertz**.

Why doesn't my mouse work properly?

- Confirm that the mouse is plugged securely into the mouse port. If you are using a USB mouse, verify that the mouse is plugged securely into the appropriate USB port.
- Save and close all open software programs. Turn off your computer, wait approximately 10 seconds, and then restart your computer.
- If you are using an optical mouse[1], use an appropriate surface to ensure proper mouse tracking. A good mouse surface requires a certain amount of detail or texture to enable mouse tracking.
  - Use surfaces such as plain paper, card stock, or fabric that do not have a lot of repetitive patterning.
  - Avoid surfaces such as mirrors, smooth glass, or magazines.
  - Avoid possible damage to easily-scratched surfaces by using a mouse pad.
  - Avoid surfaces that may damage or soil your optical mouse. Dirt or damage may cause the mouse to malfunction.
  - If the cursor is not moving properly, try using the mouse on another mousing surface or using a mouse pad.
- If you are using a trackball mouse, there may be dust or dirt inside the mouse mechanism. To clean the mouse, follow these steps:
  - Save and close all software programs, and turn off your computer.
  - Turn the mouse upside down.
  - Remove the mouse ball cover on the back of the mouse by turning clockwise the ring that covers the mouse ball.
  - Turn the mouse upright, and drop the mouse ball into your hand.
  - Using a piece of tape, remove any dust or dirt on the mouse ball and inside the mouse ball socket.
  - Return the mouse ball to the socket, and replace the mouse ball cover. Secure the cover by turning the ring counter-clockwise.
- The mouse driver(s) may not be working properly. To recover your mouse drivers, see the online guide, *VAIO Recovery Options*, for more information.

  To access *VAIO Recovery Options*, follow these steps:
  - Click **Start** in the Windows® taskbar and click **Help and Support**.
  - From the **VAIO Help And Support Center** menu, click **VAIO Recovery Options**.
- If you are using a wireless optical mouse:
  - Confirm that the supplied AA batteries are properly installed.
  - Press the Connect button on the mouse and the computer to reestablish the connection between the two devices.

[1] For wireless or standard optical mice.

Why doesn't my mouse work properly?

- Confirm that the mouse is plugged securely into the mouse port. If you are using a USB mouse, verify that the mouse is plugged securely into the appropriate USB port.
- Save and close all open software programs. Turn off your computer, wait approximately 10 seconds, and then restart your computer.
- If you are using an optical mouse[1], use an appropriate surface to ensure proper mouse tracking. A good mouse surface requires a certain amount of detail or texture to enable mouse tracking.
  - Use surfaces such as plain paper, card stock, or fabric that do not have a lot of repetitive patterning.
  - Avoid surfaces such as mirrors, smooth glass, or magazines.
  - Avoid possible damage to easily-scratched surfaces by using a mouse pad.
  - Avoid surfaces that may damage or soil your optical mouse. Dirt or damage may cause the mouse to malfunction.
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- If you are using a trackball mouse, there may be dust or dirt inside the mouse mechanism. To clean the mouse, follow these steps:
  - Save and close all software programs, and turn off your computer.
  - Turn the mouse upside down.
  - Remove the mouse ball cover on the back of the mouse by turning clockwise the ring that covers the mouse ball.
  - Turn the mouse upright, and drop the mouse ball into your hand.
  - Using a piece of tape, remove any dust or dirt on the mouse ball and inside the mouse ball socket.
  - Return the mouse ball to the socket, and replace the mouse ball cover. Secure the cover by turning the ring counter-clockwise.
- The mouse driver(s) may not be working properly. To recover your mouse drivers, see the online guide, *VAIO Recovery Options*, for more information.

  To access *VAIO Recovery Options*, follow these steps:
  - Click **Start** in the Windows® taskbar and click **Help and Support**.
  - From the **VAIO Help And Support Center** menu, click **VAIO Recovery Options**.
- If you are using a wireless optical mouse:
  - Confirm that the supplied AA batteries are properly installed.
  - Press the Connect button on the mouse and the computer to reestablish the connection between the two devices.

[1] For wireless or standard optical mice.

How do I set up my mouse for left-hand use?

1. Click **Start** in the Windows taskbar, then click **Control Panel**.
2. Click **Printers and Other Hardware**, then click **Mouse**. The Mouse Properties dialog box appears.
3. From the **Buttons** tab, select **Switch primary and secondary buttons** under the Button Configuration options.
4. Click **Apply**, then click **OK**.

Why doesn't my keyboard work properly?

- Check that the keyboard[1] is securely plugged into the keyboard port.
- Save and close all open software programs. Turn off your computer, wait approximately 10 seconds, and then restart your computer.
- If you are using a wireless keyboard:

  1. Confirm that the supplied AA batteries are properly installed. For proper installation of the AA batteries, see About the Mouse and Keyboard.
  2. Press the Connect button on the keyboard to reestablish the connection between the two devices.

[1] The VAIO "W" series computer has a built-in keyboard.

Why is my modem connection slow?

Many factors can influence modem connection speed, such as:

- Telephone line noise.
- Incompatibility with other telephone equipment such as fax machines or other modems.
- Internet Service Providers (ISP) connection capability may vary.

If you think your modem is not connecting properly to other PC-based modems, fax machines, or your ISP, check the following:

- Contact your telephone company and ask them to verify that your telephone line is free from line noise.
- If your problem is fax-related, check that there are no problems with the fax machine you are calling and that it is compatible with fax modems.
- For optimum performance, verify that your ISP point of presence (POP) telephone number is compliant with V.90 standards.
- If you are having a problem connecting with your ISP, check that they are not experiencing technical problems.
- Try connecting your modem through another telephone line, if available.

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- For optimum performance, verify that your ISP point of presence (POP) telephone number is compliant with V.90 standards.
- If you are having a problem connecting with your ISP, check that they are not experiencing technical problems.
- Try connecting your modem through another telephone line, if available.

Why doesn't my modem work properly?

Your modem may be experiencing equipment or software conflicts. If your modem is not functioning properly, check the following:

- Check that the telephone line is plugged into the modem line jack.
- Check that the telephone line is working properly. You can verify the line by plugging in an external device such as a standard telephone or fax machine and listening for a dial tone.
- Check that the access telephone number (POP) is correct.
- All software programs that are preinstalled by Sony are compatible with your computer's modem. If you have installed other software, contact the software publisher for information on how to configure the software in order to recognize the modem.
- If it appears that your modem is not functioning properly, check the device status.

  1. Click **Start** in the Windows taskbar, then click **Control Panel**.
  2. Click **Printers and Other Hardware** and then select **Phone and Modem Options**.
  3. From the **Modems** tab, click to select your modem.
  4. Click **Properties**. The Modem Properties window appears.
  5. Review the information in the Device status section. If your modem is not working properly, click the **Troubleshoot** button. The VAIO Help and Support Center window appears.
  6. Follow the on-screen instructions to resolve the problem.

- The modem driver(s) may not be working properly. To recover your modem drivers, see the online guide, *VAIO Recovery Options*, for more information.

  To access *VAIO Recovery Options*, follow these steps:

  1. Click **Start** in the Windows® taskbar and click **Help and Support**.
  2. From the **VAIO Help And Support Center** menu, click **VAIO Recovery Options**.

How do I change my modem to rotary or Touch-tone dialing?

1. Click **Start** in the Windows taskbar, then click **Control Panel**.
2. Click **Printers and Other Hardware**, then click **Phone and Modem options**.
3. From the **Dialing Rules** tab, click **Edit**. The Edit Location dialog box appears.
4. Select the **Tone** or **Pulse** option. Click **OK**.

Why is there no sound in any software program?

- Check that the speakers are plugged into the Headphones jack.
- If your speakers have a mute button, verify that it is turned off.
- If your speakers are powered by batteries, verify that the batteries are inserted properly and that they are charged.
- If your speakers use an external power source, verify that the power cord is plugged into a grounded wall outlet or power strip.
- If your speakers have volume control, check the volume level.
- You cannot hear sound from your speakers if headphones are connected to your computer.
- If the software program you are using has its own volume control, check that the volume is turned up.
- Check the volume controls in the Windows® operating system using these steps:

  1. Click **Start** in the Windows taskbar, then select **Control Panel**.
  2. Select **Sounds, Speech, and Audio Devices**, then click **Adjust the system volume**.
  3. From the **Volume** tab, adjust the Device volume by moving the slider bar to the desired sound level. Verify that the Mute option is not selected.

- Check that the Mute check box is not selected in the Windows volume control.
- The sound driver(s) may not be working properly. To recover your sound drivers, see the online guide, *VAIO Recovery Options*, for more information.

  To access *VAIO Recovery Options*, follow these steps:

  1. Click **Start** in the Windows® taskbar and click **Help and Support**.
  2. From the **VAIO Help And Support Center** menu, click **VAIO Recovery Options**.

For PCV-W series models only

- Adjust the volume control dial, located on the left panel, to adjust speaker volume.
- The speakers continue to produce sound even when headphones have been connected. If you want to use your own headphones instead of the supplied speakers, adjust the volume control dial, located on the left panel, to mute the sound from the built-in stereo speakers.

For PCV-V series models only

Adjust the volume by pressing the volume control buttons located on the wireless keyboard.

Why is there no sound in any software program?

- Check that the speakers are plugged into the Headphones jack.
- If your speakers have a mute button, verify that it is turned off.
- If your speakers are powered by batteries, verify that the batteries are inserted properly and that they are charged.
- If your speakers use an external power source, verify that the power cord is plugged into a grounded wall outlet or power strip.
- If your speakers have volume control, check the volume level.
- You cannot hear sound from your speakers if headphones are connected to your computer.
- If the software program you are using has its own volume control, check that the volume is turned up.
- Check the volume controls in the Windows® operating system using these steps:

  1. Click **Start** in the Windows taskbar, then select **Control Panel**.
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  3. From the **Volume** tab, adjust the Device volume by moving the slider bar to the desired sound level. Verify that the Mute option is not selected.

- Check that the Mute check box is not selected in the Windows volume control.
- The sound driver(s) may not be working properly. To recover your sound drivers, see the online guide, *VAIO Recovery Options*, for more information.

  To access *VAIO Recovery Options*, follow these steps:

  1. Click **Start** in the Windows® taskbar and click **Help and Support**.
  2. From the **VAIO Help And Support Center** menu, click **VAIO Recovery Options**.

For PCV-W series models only

- Adjust the volume control dial, located on the left panel, to adjust speaker volume.
- The speakers continue to produce sound even when headphones have been connected. If you want to use your own headphones instead of the supplied speakers, adjust the volume control dial, located on the left panel, to mute the sound from the built-in stereo speakers.

For PCV-V series models only

Adjust the volume by pressing the volume control buttons located on the wireless keyboard.

Why can't I hear sound when using the SP/DIF option for digital output?

If your computer has a preinstalled Sound Blaster Audigy ES sound card[1], the Play Control settings must be changed to support digital sound. Follow these steps to change the settings:

1. From the Windows taskbar notification area, double-click on .

   The **Play Control** dialog box appears.

2. Click **Options**, and then click **Advanced Controls**. Click the **Advanced** button.

   The **Advanced Controls for Play Control** dialog box appears.

3. In the **Other Controls** box, click to select the option, **1 Digital Output Only**.

4. Click **Close**, and then close the **Play Control** dialog box.

If you plan to use your own speaker system, you may experience some difficulty using the mute feature during DVD playback. Use the mute function of your speaker system instead of the keyboard or software program functions.

[1] The Sound Blaster Audigy ES sound card is available with certain VAIO® computers. See your online Specifications sheet for information about your computer's hardware configuration.

About Using a Microphone

Why doesn't my microphone work properly?

Check that the microphone is plugged into the Microphone jack.

About Using a Microphone

Why doesn't my microphone work properly?

Check that the microphone is plugged into the Microphone jack.

Why is my microphone so sensitive to background noise?

If you find there is too much background noise when you record sound, you should adjust the microphone by following these steps:

1. Click **Start** in the Windows taskbar, then click **Control Panel**.
2. Click **Sounds, Speech, and Audio Devices**, then click **Sounds and Audio Devices**.
3. From the **Audio** tab, locate the **Sound recording** section and click **Volume**. The **Recording Control** dialog box appears.

   If the volume control for the microphone is visible, skip to step 6.
4. Select the **Options** menu and click **Properties**. The **Properties** dialog box appears.
5. In the section, **Show the following volume controls**, select the **Recording** option. Click **OK**.
6. From the **Recording Control** dialog box, decrease the microphone volume level by moving the slider bar down.
7. Close the **Recording Control** dialog box and then close the **Sounds and Audio Devices Properties** window.

How do I install a printer?

- Connect your USB or IEEE 1394 printer to the appropriate port on your computer's front, back or side panels[1]. If your printer has a USB, IEEE 1394, or infrared connection, contact the printer manufacturer for information or updates that may be required for proper installation.
- Check the printer manufacturer's Web site for the latest drivers for your operating system before proceeding with installation. Some printers do not function properly without the updated drivers for specific operating systems.
- To install your printer, follow these steps:

1. Click **Start** in the Windows taskbar, then click **Control Panel**.
2. Click **Printers and Other Hardware**, then click **Add a Printer**.
3. From the **Add Printer Wizard**, click **Next**.
4. Select **Local Printer**, then click **Next**.

   Place a check mark in the box for "Automatically detect and install my Plug and Play printer", if you are installing a recently manufactured printer with Plug and Play capability.
5. Select the appropriate port, usually LPT1, and then click **Next**.
6. Select the appropriate printer manufacturer and model.
7. Follow the on-screen instructions to print a test page and complete printer installation.

If the printer is not included in the list and the printer manufacturer included a disk with a Windows XP Printer driver, choose **Have Disk**, enter the appropriate path for the disk or CD and click **OK**.

If the printer is not included on the list and no drivers are included with the printer, choose an alternate printer driver that your printer may emulate. Refer to the manual that came with your printer for specific emulation information.

[1] The location of the connection ports for peripheral equipment may vary, depending upon your computer's hardware configuration.

About Using Peripheral Equipment

How do I install a printer?

- Connect your USB or IEEE 1394 printer to the appropriate port on your computer's front, back or side panels[1]. If your printer has a USB, IEEE 1394, or infrared connection, contact the printer manufacturer for information or updates that may be required for proper installation.
- Check the printer manufacturer's Web site for the latest drivers for your operating system before proceeding with installation. Some printers do not function properly without the updated drivers for specific operating systems.
- To install your printer, follow these steps:

1. Click **Start** in the Windows taskbar, then click **Control Panel**.
2. Click **Printers and Other Hardware**, then click **Add a Printer**.
3. From the **Add Printer Wizard**, click **Next**.
4. Select **Local Printer**, then click **Next**.

   Place a check mark in the box for "Automatically detect and install my Plug and Play printer", if you are installing a recently manufactured printer with Plug and Play capability.
5. Select the appropriate port, usually LPT1, and then click **Next**.
6. Select the appropriate printer manufacturer and model.
7. Follow the on-screen instructions to print a test page and complete printer installation.

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[1] The location of the connection ports for peripheral equipment may vary, depending upon your computer's hardware configuration.

The connected printer does not function properly when the computer resumes from a power saving mode.

- Clear the printer memory by turning the printer off for approximately 10 seconds, and then turning it back on.
- If your printer does not resume normal operations, try restarting your computer.

Notes On Use

The information in this section provides basic procedures for handling your system and common peripheral devices, and using storage media.

- About the Power Source
- About Disposing of the Lithium Battery
- About Handling the Computer System
- About Handling a Monitor (Display)
- About Recording and Data Storage Media

About the Power Source

Before opening your computer, turn the system off and let it cool down for 10 minutes. This protects you against internal components that may be too hot to handle.

- Your computer operates on 100-120 V AC 50/60 Hz only.
- Plug all the power cords for your computer and its peripheral equipment into the same AC supply line. AC derived from different supply lines may result in voltage differences that can cause unstable operation or unwanted weak currents at the time of connection.
- Do not share the AC outlet with any other power-consuming equipment, such as copying machines or shredders.
- You can purchase a power strip with a surge protector. This device prevents damage to your computer caused by sudden power surges such as those that may occur during an electrical storm.
- If you live in an area that experiences frequent power fluctuations, you may want to purchase an Uninterruptible Power Supply (UPS). This device contains both a surge protector and a battery backup. The surge protector prevents damage to your computer caused by power surges. The battery backup safeguards your data during a brief period of power loss.
- The power control button on the front panel does not turn off the system AC power. To remove power from the system, you must turn off the computer and then unplug the AC power cord from the wall outlet or power strip.
- Do not place heavy objects on the power cord.
- Do not operate the system with the cover removed. Always reinstall the cover before turning on the system.
- To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- Unplug your computer from the wall outlet if you do not intend to use the computer for a long time.
- Do not attempt to open the power supply. There are no user-serviceable parts in the power supply. To avoid personal injury or damage to your equipment, refer the repair or replacement of the power supply to qualified personnel only.

About Disposing of the Lithium Battery

Dispose of the lithium battery properly. In some areas, the disposal of lithium batteries in household or business trash may be prohibited. You can return your unwanted lithium batteries to your nearest Sony Service Center or Factory Service Center. For the Sony Service Center nearest you, visit the Sony Online Support Web site at http://www.sony.com/pcsupport.

Do not handle damaged or leaking lithium batteries. The lithium battery may explode if mistreated. Do not disassemble it or dispose of it in fire.

Replace the battery with a Sony CR2032 lithium battery. Using a type of battery other than a CR2032 may present a risk of fire or explosion.

About Handling the Computer System

Your computer uses high-frequency radio signals and may cause interference to radio or TV reception. If this occurs, relocate the computer a suitable distance away from the TV or radio equipment.

- Do not place your Sony computer in a location subject to:
  - Heat sources, such as radiators or air ducts
  - Direct sunlight
  - Excessive dust
  - Mechanical vibration or shock
  - Strong magnets or speakers that are not magnetically shielded
  - Ambient temperature of more than 95ºF (35ºC) or less than 50ºF (10ºC)
  - High humidity, moisture, or rain
- Do not place electronic equipment near your computer. The computer's electromagnetic field may cause a malfunction.
- Provide adequate air circulation to prevent internal heat build-up. Do not place your computer on loose surfaces (such as rugs or blankets) or near materials (such as curtains or draperies) that may block its ventilation slots. Leave a space of at least 8 inches from the back panel of your computer.
- Clean the cabinet with a soft, dry cloth or a soft cloth lightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent such as alcohol or benzine, as it may damage the finish of your Sony computer.
- Should any solid object or liquid fall into the cabinet, keyboard, or mouse, shut down your computer and then unplug it. You may want to have the computer checked by qualified personnel before operating it any further.
- Use only specified peripheral equipment and interface cables; otherwise, problems may result.
- Do not use cut or damaged connection cables.
- Always switch the power off before connecting your computer to peripheral equipment; otherwise, damage may occur to the integrated circuits in your computer.
- Your computer, keyboard, and mouse consist of high-precision electronic parts. Do not drop them or bump them against other objects.
- Your Sony computer does not work with party lines, cannot be connected to a coin-operated telephone, and may not work with multiple telephone lines or a private branch exchange (PBX).
- If the telephone company makes a service call to your home or office and determines that your computer is responsible for the problem, the telephone company may bill you for the service call. If you do not disconnect your computer when it is adversely affecting the telephone line, the telephone company has the right to disconnect your service until you correct the problem.

Moisture condensation

If your computer is brought directly from a cold location to a warm one, moisture may condense inside your computer. In this case, allow at least an hour before turning on your computer. If any problem occurs, unplug your computer, and contact your Sony Service Center.

The hard disk drive

- Do not place the computer in a location that is subject to vibration or shock.
- Do not move the computer during operation.
- Do not subject the computer to sudden changes in temperature.
- Do not turn off the power while the computer is accessing the hard disk drive.

About Handling a Monitor (Display)

- DVD playback and certain video-related software may not function correctly when your monitor is set to a high refresh rate. If your monitor does not play back video content properly, try setting the display to a lower refresh rate.
- Do not place the display near a strong magnetic force.
- Do not block the ventilation slots on the display.
- Using the computer in low temperature conditions may produce a residual image on the screen. This is not a malfunction. When the computer returns to normal temperature, the screen returns to normal.
- A residual image may appear on the screen if the same image is displayed for a lengthy period of time. The image disappears after a period of time. You can use a screen saver to prevent residual images.
- The screen becomes warm during operation. This is normal and does not indicate a malfunction.

About handling an LCD monitor[1] (display)

- Do not place the display near a strong magnetic force.
- Do not block the ventilation slots on the display.
- Using the computer in low temperature conditions may produce a residual image on the screen. This is not a malfunction. When the computer returns to normal temperature, the screen returns to normal.
- A residual image may appear on the screen if the same image is displayed for a lengthy period of time. The image disappears after a period of time. You can use a screen saver to prevent residual images.
- The screen becomes warm during operation. This is normal and does not indicate a malfunction.
- Do not leave the LCD in direct sunlight, as this may damage the screen. Use caution when using the computer near a window.
- Do not exert pressure on the LCD or scratch the surface, as this may cause the screen to malfunction.
- The LCD screen is manufactured using high-precision technology. On occasion, you may see tiny black or colored points on the LCD. This is normal and does not indicate a malfunction.
- Avoid rubbing the screen, as this can damage the LCD. Use a soft, dry cloth to clean the display.

[1] The PCV-W and PCV-V series models have a built-in LCD monitor.

About Recording and Data Storage Media

Handling CD or DVD media

- Do not touch the surface of the disc.
- Do not drop or bend the disc.
- Do not use adhesive labels to identify the disc. The label may come off while the disc is in use in the optical drive and damage the drive.

Cleaning CD or DVD media

- Fingerprints and dust on the surface of a disc may cause read errors. Proper care of the disc is essential to maintain its integrity. Do not use solvents such as benzine, thinner, commercially available cleaners or anti-static spray, as they may cause damage to the disc.
- For normal cleaning, hold the disc by its edge and use a soft cloth to wipe the surface from the center out.
- If the disc is badly soiled, moisten a soft cloth with water, wring it out well, and use it to wipe the surface of the disc from the center out. Wipe off any remaining moisture with a dry soft cloth.

Using Memory Stick media

- MagicGate Memory Stick and Memory Stick PRO media are the only media that support MagicGate technology. Currently, Sony® SonicStage and OpenMG software are not compatible with the new Memory Stick PRO media. Sony suggests using only the MagicGate Memory Stick media to store and transfer any data created with SonicStage and OpenMG software.
- Currently, the Memory Stick slot on VAIO® computers does not support the high-speed data transfer or access control features of the new Memory Stick PRO media.
- Visit the Customer Support Web site at http://www.sony.com/pcsupport regularly for the latest information on the new Memory Stick PRO media.

CompactFlash and SmartMedia cards

- Certain VAIO® computers support CompactFlash and SmartMedia cards, see the online *Specifications* sheet.
- Visit the Customer Support Web site at http://www.sony.com/pcsupport regularly for the latest information on CompactFlash and SmartMedia cards.

Handling floppy disks[1]

- Do not open the shutter manually and touch the surface of the floppy disk.
- Keep floppy disks away from magnets.
- Keep floppy disks away from direct sunlight and other heat sources.

[1] Certain VAIO computers are not equipped with a floppy disk drive. You can purchase a floppy disk drive separately, see the online specifications sheet.

Support Options

Sony provides several options to help solve common problems or to locate support for your VAIO® computer. This section describes all available resources and offers suggestions on how to access this information for maximum results.

- Immediate Help and Support
- Software Help and Support
- Resources for Additional Help and Support

Immediate Help and Support

You can locate helpful information immediately by consulting your hard copy guides and supplements, or by accessing the online Computer User Guide and the individual software Help files.

Your computer is supplied with these support options:

- **VAIO® Computer Quick Start —** The Quick Start contains information on how to set up your computer quickly and easily. You can find instructions on how to plan an ergonomic work space, connect power cords, cables and peripheral devices, register your computer with Sony, and establish a dial-up connection to the Internet. The Quick Start can also provide troubleshooting support, if problems occur.

- **VAIO® Computer User Guide —** The online User Guide provides information about configuring, maintaining, and upgrading your computer. This support resource offers a variety of available topics, enabling you to quickly view specific information using context-sensitive search features. To access the online manual:

  1. Click **Start** in the Windows® taskbar, then click **Help and Support**.

  2. From the **VAIO Help And Support Center** menu, click **VAIO User Guide**.

- **Specifications —** The online specifications sheet describes the hardware and software configuration of your VAIO computer. To view this online information go to http://www.sony.com/pcsupport.

- **Preinstalled software Help files —** Each preinstalled software program provides online Help within the software, that describes the software's features. In these Help files, you can find tutorials that teach you to use the software and locate troubleshooting support, should problems occur. To access software Help files:

  1. Click **Start** in the Windows taskbar and point to **All Programs**. A submenu appears, listing all preinstalled software programs.

  2. Click the desired software program.[1] The software's main window appears.

  3. From the menu bar, click **Help**. The Help file appears.

- **VAIO Software** — Provides specific information on preinstalled software on your computer.

  To access this online software information

  1. Click **Start** in the Windows taskbar.

  2. Click **Welcome to VAIO Life**.

[1] You can locate the online Help for Sony software programs by pointing to the individual software program's icon and selecting Help from the submenu.

Software Help and Support

The contact and support information for the preinstalled software on your system is located in this section. Sony software support is free of charge for 90 days after the original date of purchase.

Your computer may not be supplied with all of the software discussed in this section, depending on the computer purchased. To view information about the specific software preinstalled on your computer, see the software program's online Help.

Adobe® Photoshop® Elements
Adobe Systems Inc.

Using state-of-the-art image editing tools, you can unleash your artistic ability and create digital images for print, e-mail, and posting to the Web. The versatile image capturing options enable you to start working with digital and traditional photos immediately. Explore extensive creative possibilities for your personal images with Adobe Photoshop Elements software. Upgrade possible to Adobe® Photoshop® software.

For support information, see Adobe® Reader® (Adobe® Systems Inc.)

Adobe® Premiere® LE
Adobe Systems Inc.

Adobe Premiere LE software offers interface and editing tools for producing movies for video, multimedia, and the Web. View source clips and edited footage simultaneously on-screen. You can create your own personal video clips that are up to three hours in length, with complete audio-video synchronization. Upgrade possible to full version of Adobe® Premiere® software.

For support information, see Adobe® Reader® (Adobe® Systems Inc.)

Adobe® Premiere®
Adobe Systems Inc.

Professional digital video editing software that enables you to create professional video productions. Take advantage of the sophisticated new Adobe Title Designer, MPEG-2 export, DVD authoring, and powerful audio tools.

For support information, see Adobe® Reader® (Adobe® Systems Inc.)

Adobe® Reader®
Adobe Systems Inc.

Adobe Reader software enables you to view, navigate, and print electronic documents in Adobe's Portable Document Format (PDF), an open file format intended to preserve the fidelity of documents created on many major computer platforms.

Help and support information for Adobe® software programs:

web site http://www.adobe.com

telephone 800-685-3652

hours M - F, 6 AM - 5 PM PST

America Online® (Broadband or Dial-Up)
America Online, Inc.

America Online is a popular Internet online service. Stay in touch with family and friends with easy-to-use e-mail. Manage your personal finances, get the latest news and sports scores, and chat with thousands of others who share your interests.

Help and support information for AOL® software programs:

web site http://www.aol.com

AT&T WorldNet® Service
AT&T Corp.

AT&T WorldNet Service offers fast, reliable Internet access. Customer benefits include Web-based e-mail, video e-mail, multiple e-mail accounts, free Web pages, online and live agent technical support, instant messaging, and parental controls.

Help and support information for AT&T Worldnet® software programs:

web site http://help.att.net

Boingo Wireless
Boingo Wireless, Inc.

Boingo Wireless service offers Wi-Fi access in hundreds of hot spot locations, including airports, hotels, coffee shops, and other public spaces. Experience the Internet up to 100 times faster than dial-up, and enjoy being totally mobile.

Help and support information for Boingo Wireless software programs:

web site http://www.boingo.com/servicecenter.html

telephone 800-880-4117

e-mail support@boingo.com

hours M - F, 4 AM - 10 PM PST
Sat-Sun, 6 AM - 3 PM PST

Click to DVD
Sony Electronics Inc.

At the touch of a button, Click to DVD software allows you to automatically burn DVDs from a digital video device. Create DVDs by capturing video content straight from a digital video (DV) device or by importing video from stored files — and you can also edit the video if desired. Create DVD photo albums and slide shows with picture files or by importing pictures from a digital still camera. What's more, you can easily give a professional look to your DVDs by adding chapter menus, backgrounds, and menu screens. You're only a few clicks away from your own DVDs!

Help and support information for Sony® software programs:

web site http://www.sony.com/pcsupport

telephone 888-4-SONY-PC (888-476-6972)

hours 7 days a week, 24 hours a day

CLIÉ Converter
Sony Electronics Inc.

CLIÉ Converter software is a plug-in software program that converts Giga Pocket® Video Capsules into Movie Player format for playback on your Sony® CLIÉ handheld. After converting your Video Capsules, you can use CLIÉ Converter software to transfer them to Memory Stick® media or to save them to your hard disk drive for transfer to your CLIÉ handheld during your next HotSync® operation.

For support information, see Click to DVD (Sony Electronics Inc.).

Corel® WordPerfect®
Corel Corp.

WordPerfect software is a powerful word-processing tool that helps you produce newsletters, articles, reports, proposals, books, and other documents. This software enables you to add graphics, tables, and charts to documents. You can publish to paper, electronic media, and the World Wide Web. WordPerfect 10 software allows you to format, structure, and edit documents at any time and gives you complete control over the design. WordPerfect 10 software includes Quattro Pro® and Corel Presentations . It also includes CorelCENTRAL software, which has Day Planner, Calendar, Address Book, Mail, Card File, Memos, Alarms and Administration.

Help and support information for Corel® software programs:

web site http://www.corel.com

telephone 613-274-0500

CyberLink PowerDVD®
CyberLink Corp.

CyberLink PowerDVD® software offers high-quality playback of DVD movies on your computer. PowerDVD software includes all the controls you expect from a home DVD player, plus a range of additional features. For example, you can bookmark scenes to come back to them later. The customizable controls, advanced navigation bar, and dynamic player skins combine to deliver a premium viewing experience.

Help and support information for CyberLink® software programs:

web site http://www.gocyberlink.com/english/cs/support/index_tech.jsp

Drag'n Drop CD
DigiOn, Inc., and Easy Systems Japan Ltd.

Drag'n Drop CD software is designed to make CD creation simple. You can create your own audio or data CDs that can be read in most audio CD players or personal computers. With Drag'n Drop CD software, you can also back up CDs.

For support information, see Drag'n Drop CD+DVD (DigiOn, Inc., and Easy Systems Japan Ltd.)

Drag'n Drop CD+DVD
DigiOn, Inc., and Easy Systems Japan Ltd.

Drag'n Drop CD+DVD software is designed to make CD and DVD creation simple. You can create you own audio or data CDs and data DVDs. These discs can be read in most audio CD players or personal computers. With Drag'n Drop CD+DVD software, you can also back up CDs.

Help and support information for Drag'n Drop CD software program:

web site http://www.ddcd.jp/dd3e/sony/cd

DVgate
Sony Electronics Inc.

Connect a compatible digital video camera to your computer's i.LINK® port and capture video clips and still images. You can edit clips from your video, add new clips, and combine clips into new movie segments. You can also save your images in a variety of popular file formats.

For support information, see Click to DVD (Sony Electronics Inc.).

DVgate Plus
Sony Electronics Inc.

Connect a compatible digital video camera to your computer's i.LINK® port and capture video clips and still images. Edit clips from your video, add new clips, and combine clips into new movie segments. Save your movies back to your digital video camera or in a variety of popular file formats.

For support information, see Click to DVD (Sony Electronics Inc.).

EarthLink TotalAccess® (DSL or Dial-Up)
EarthLink, Inc.

EarthLink, one of the world's largest Internet Service Providers, offers dial-up and broadband access to the Internet. Member benefits include e-mail, newsgroups, an EarthLink Personal Start PageSM, free storage space for your personal Web site, a member magazine, and 24-hour technical support.

Help and support information for EarthLink® software program:

web site http://support.earthlink.net

EverQuest®
Sony Online Entertainment Inc.

This introductory edition of the EverQuest game, a constantly evolving fantasy world, takes users to new heights of online role-playing gaming. Enter an enormous virtual environment — an entire world with its own diverse species, economic systems, alliances, and politics. Make yourself a noble human knight, a vicious dark elf thief, a greedy dwarven merchant, or whatever your heart desires as you meet new friends from around the world and face epic challenges. Rated TEEN by the ESRB. (Content may be suitable for persons ages 13 and older. May contain violent content, mild or strong language, and/or suggestive themes.)

Help and support information for EverQuest® software program:

web site	http://www.everquest.com
telephone	858-537-0898
e-mail	eqtech@soe.sony.com
hours	M - F, 9 AM - 6 PM PST

Giga Pocket® Personal Video Recorder
Sony Electronics Inc.

Giga Pocket® Personal Video Recorder is a unique set of hardware and software components that provide you with excellent TV viewing, recording, and playback experiences. You can watch and record your favorite TV programs from your computer, create custom playlists, and play your Video Capsules on other compatible computers. Giga Pocket® Personal Video Recorder enables your computer, TV, VCR, and other video player devices to work in harmony.

For support information, see Click to DVD (Sony Electronics Inc.).

ImageStation®
Sony Electronics, Inc.

With ImageStation® online service, you can store, organize, and share your photos and video clips online. ImageStation online service membership is free (except for transactions) and includes unlimited storage of digital photos, storage for 15 minutes of video clips, tools to personalize the design and arrangement of your pictures in albums, and access to stories and tips about image handling in ImageStation Magazine.

For support information, see Click to DVD (Sony Electronics Inc.).

Microsoft® Age of Empires® II
Microsoft Corp.

The Age of Empires game is the sequel to the award-winning, best-selling realtime strategy game Age of Empires. The Age of Empires II game spans a thousand years, from the fall of Rome through the Middle Ages in which players lead one of 13 civilizations into greatness. The game keeps the epic scope of the original product's game play while evolving the combat and economic features. Rated TEEN by the ESRB. (Content may be suitable for persons ages 13 and older. May contain violent content, mild or strong language, and/or suggestive themes.)

For support information, see Microsoft® Works (Microsoft Corp.)

Microsoft® Encarta® Online
Microsoft Corp.

The Encarta Online encyclopedia includes more than 47,000 encyclopedia articles, many with multimedia features such as video and audio clips. You'll also find links to trusted Web sites with even more information. An interactive world atlas lets you zoom in on a particular region or country. Content may be suitable for persons ages 6 and older. May contain minimal violence and some comic mischief or crude language.

For support information, see Microsoft® Works (Microsoft Corp.)

Microsoft® Family Game Pack
Microsoft Corp.

Play classic games like chess and checkers with Bicycle Board Games (rated E). Own and run your own zoo in Zoo Tycoon (rated E). Play golf on the finest courses in Links (rated E). Rated E for EVERYONE by the ESRB. (Content may be suitable for persons ages 6 and older. May contain minimal violence and some comic mischief or crude language.)

For support information, see Microsoft® Works (Microsoft Corp.)

Microsoft® Internet Explorer

Microsoft Corp.

Internet Explorer offers dramatic performance, reliability, and usability improvements making it the fastest, easiest and most cost-effective Web browser for people to use, manage and support. Whether you use the Web to read e-mail, news or sports reports, shop online, listen to music or play videos, or share your images and photos with friends family or work colleagues, IE 6 makes it easy, exciting and fun.

For support information, see Microsoft® Works (Microsoft Corp.)

Microsoft® MSN®
Microsoft Corp.

MSN Internet service combines fast, reliable service with innovative Microsoft software to make the Web more useful for you and your family. The new MSN 8 Internet service includes smart features such as automatic e-mail virus protection services, an intelligent junk mail filter, powerful parental controls, and easy switching tools.

For support information, see Microsoft® Works (Microsoft Corp.)

Microsoft® Money Standard
Microsoft Corp.

Microsoft Money Standard provides a quick and easy way to organize and manage your personal finances. New features include auto-balancing, a bills estimator, spending comparison reports, and investment reminders. Save time organizing and managing your cash flow and balancing your checkbook. Create and track a budget, pay your bills, organize your finances, and view a complete picture of your financial health all in one place.

For support information, see Microsoft® Works (Microsoft Corp.)

Microsoft® Windows® Movie Maker 2
Microsoft Corp.

Windows Movie Maker 2 makes home movies amazingly fun. With Movie Maker 2 you can create, edit and share your home movies right on your PC. Build your movie with a few simple drag-and-drops. Delete bad shots and include only the best scenes. Add special effects, music and narration. Then share your movie via the Web, e-mail, on your PC, CD, or even DVD. You can also save your edited movie back to the DV tape in your camera to play on a TV or even on the camera itself.

For support information, see Microsoft® Works (Microsoft Corp.)

Microsoft® Office XP Professional
Microsoft Corp.

Microsoft Office XP Professional software redefines the relationship between people and software by providing a smarter, simpler way of working. New Office XP Professional software features include context-sensitive smart tags, enhanced formatting options, and more, that enable you to continually integrate additional services into Office and access information anytime. The Office XP Professional suite includes Word, Excel, Outlook®, PowerPoint®, and Access software.

For support information, see Click to DVD (Sony Electronics Inc.).

Microsoft® Office XP Small Business Edition
Microsoft Corp.

Microsoft Office XP Small Business Edition helps you get work done more quickly by providing real-time, context-sensitive options for important actions, from formatting to error correction. Task panes consolidate important tasks into a single integrated view, enabling you to conduct searches, start and format documents, and view the contents of your Clipboard from one location. The Office XP Small Business Edition suite includes Word, Excel, Outlook®, and Publisher software.

For support information, see Click to DVD (Sony Electronics Inc.).

Microsoft® Simulation Game Pack
Microsoft Corp.

Fly your own aircraft in Flight Simulator (rated E). Drive like a maniac in Midtown Madness 2 (rated E). Live in a world of mythology with Age of Mythology (rated T). Rated E for EVERYONE. (Content may be suitable for persons ages 6 and older. May contain minimal violence and some comic mischief or crude language.) Rated T for TEEN. (Content may be suitable for persons ages 13 and older. May contain violent content, mild or strong language, and/or suggestive themes.)

For support information, see Microsoft® Works (Microsoft Corp.)

Microsoft® Windows Media® Player
Microsoft Corp.

Using one of the premiere video and music playback software programs, you can better enjoy listening and watching many

different kinds of media. Other great features include, instant-on playback, Mini-player mode, Intelligent Streaming technology, 5.1-channel surround sound audio codec, and built-in Smart Jukebox features.

For support information, see Microsoft® Works (Microsoft Corp.)

Microsoft® Works
Microsoft Corp.

Works lets you quickly and easily create high-quality, fun documents. Works provides the core tools you need to create documents, manage lists and schedules, create reports and budgets and organize information from many sources. Works includes Word Processor, Works Database, Works Spreadsheet, Works Portfolio, and Works Calendar.

Help and support information for Microsoft® software programs:

web site http://www.support.microsoft.com

MoodLogic
MoodLogic, Inc.

MoodLogic is the world's largest descriptive database of song information. The information is provided from music lovers like you. MoodLogic allows you to browse the songs by artist and genre, narrow your selections by tempo or year, save your favorite playlist and transfer it to a portable player.

Help and support information for MoodLogic software program:

web site http://www.moodlogic.com/support

e-mail help@moodlogic.com

Network Smart Capture
Sony Electronics Inc.

Network Smart Capture captures images and video from any Sony® Digital Camcorder that supports a standard i.LINK® connection. Send your video or still images through e-mail or upload them to the ImageStation® service. You can use the Web camera function to automatically upload your captured images.

For support information, see Click to DVD (Sony Electronics Inc.).

Norton Internet Security
Symantec Corporation

Symantec's Norton Internet Security software provides essential protection from viruses, hackers, and privacy threats. This easy-to-use, integrated suite includes full versions of Norton AntiVirus® and Norton Personal Firewall software to defend your PC against the most common Internet dangers. Norton Internet Security also includes Norton Spam Alert, which helps you detect and filter unwanted e-mail. Norton Parental Control keeps your children safe by letting you block objectionable Web sites and set up separate Internet access privileges for each member of your household. Automatic downloads keep Norton Internet Security software updated against new security threats. This is a trial version of the Norton Internet Security software.

Help and support information for Symantec® software programs:

web site http://www.symantec.com/techsupp

PC-cillin®
Trend Micro, Inc.

PC-cillin antivirus software provides complete, easy-to-use, Internet-era virus protection at your computer's entry points (including beaming, synchronization, and Internet access) to defend against potential threats hidden inside files, e-mail, or on the Web. (Subscription required after initial evaluation period.)

Help and support information for Trend Micro software programs:

web site http://www.trendmicro.com/en/support

telephone 800-864-6027

e-mail pc-cillin@support.trendmicro.com

hours M - F, 5 AM - 5 PM (PST)

PictureGear Studio
Sony Electronics Inc.

PictureGear Studio still image management software displays still images from your hard drive or a Sony digital still camera. The still images appear in a convenient light-table format so that you can easily view the contents of an entire folder, create your own photo albums and make prints.

For support information, see Click to DVD (Sony Electronics Inc.).

Quicken® New User Edition
Intuit Inc.

Quicken software is a fast, easy way to organize your finances. Quicken software works just like your checkbook, so it's easy to learn and use. You can even pay your bills online. Quicken software manages all of your finances, bank accounts, credit cards, investments, and loans. (Users of earlier versions of Quicken software must upgrade for a fee.) Upgrade possible to Quicken® Deluxe, and other versions.

Help and support information for Intuit® software programs:

web site http://www.intuit.com/support

telephone 900-555-4932; 800-644-3193[1]

hours M - F, 5 AM - 5 PM PST

[1] Support from 900-555-4932 is fee-based. Support from 800-644-3193 is automated and free of charge.

QuickTime®
Apple Computer, Inc.

The versatile QuickTime software plays many different kinds of media files, including video, audio, and virtual reality (VR) movies. You can play QuickTime files (referred to as "QuickTime movies") using QuickTime Player or any other software program, such as a Web browser or word processor, that supports QuickTime software.

Help and support information for QuickTime® software programs:

web site http://www.info.apple.com

telephone 800-275-2273

RealOne Player
RealNetworks, Inc.

RealOne Player is an all-in-one digital media player that lets you find everything and play anything. RealOne Player fuses a streaming media player, jukebox, browser and new content discovery services all in one software program. Play CDs, MP3s and internet radio stations from anywhere in the world. View video clips and movies with the same player. Download music directly to your Sony MiniDisc Walkman® player or your Sony Memory Stick Walkman® player.

Help and support information for RealNetworks ® software programs:

web site(s) http://service.real.com/rjoptions.html

telephone 206-674-2680

RecordNow
Easy Systems LTD, Japan

RecordNow is the ideal CD and DVD disc-mastering software. The RecordNow wizard makes it easy for the novice user to start recording right away.

Help and support information for RecordNow software programs:

web site http://www.easy.co.jp/jrn45/sony

SonicStage
Sony Electronics Inc.

The SonicStage software program gives you all the tools you need to manage music on your computer. SonicStage software sports high-quality digital audio storage, a music visualizer, a sleek player skin design, audio CD burning capability (on computer models that include a CD recording device), and a parametric equalizer for fine-tuning audio playback.

For support information, see Click to DVD (Sony Electronics Inc.).

SonicStage Mastering Studio
Sony Electronics Inc.

Use SonicStage Mastering Studio software to record songs from analog records or cassette tapes into your computer, and output them to CD-R or CD-RW discs, or audio files in WAV format.

For support information, see Click to DVD (Sony Electronics Inc.).

Sony on Yahoo!
Yahoo! Inc.

Personalize your own Web portal with Sony on Yahoo! Get a free Web mail account, customized news and local weather reports, comics, instant messaging, and more.

Help and support information for Yahoo!® Web site programs:

web site http://help.yahoo.com

Screenblast® ACID®
Sony Pictures Digital Entertainment

Use the amazing Screenblast® ACID® software to produce, arrange, and edit your loop-based music. With ACID software, you can slice out long hours from the music-making equation and unlock the doors of your creativity by picking, painting, and playing your songs.

For support information, see Click to DVD (Sony Electronics Inc.).

Screenblast® ACID® Deluxe
Sonic Foundry, Inc. and Sony Pictures Digital Entertainment

Screenblast® ACID® Deluxe software lets you produce, arrange, and edit your loop-based music. With Screenblast ACID Deluxe software you get unlimited tracks, track-at-once burning, higher bit rates, and express effects like reverb.

For support information, see Click to DVD (Sony Electronics Inc.).

Screenblast® Sound Forge®
Sonic Foundry, Inc. and Sony Pictures Digital Entertainment

Sony Screenblast® Sound Forge® software enables you to record, edit, and process mono or stereo audio files for your multimedia or Internet projects. Whether you want to use a number of professional effects, convert video into streaming media, or synchronize audio to video — this software has everything you need to create rich, immersive multimedia and Internet content.

Help and support information for Screenblast® software programs:

web site http://www.sonicfoundry.com/support/default.asp

Sony® VAIO® Product Registration
Sony Electronics Inc.

VAIO Product Registration is an integrated registration software program for both Sony Electronics Inc. and Microsoft

Corporation. By registering with Sony, you enable Sony to notify you of software and hardware issues that may affect your user experience. Microsoft directs the data to Sony Electronics Inc. Sony uses the registration data for warranty and product support purposes and the analysis of customer feedback on Sony computer features.

For support information, see Click to DVD (Sony Electronics Inc.).

Sound Blaster® Audigy
Creative Labs, Inc.

Easily create, customize, and listen to MP3/WMA files, set up properties for audio devices, and record sound or music from various sources. Enjoy cinema-quality sound immediately and experience fully enhanced digital or analog sound.

Help and support information for Sound Blaster® software programs:

web site	http://www.americas.creative.com/support/custsup.asp

Station.com
Sony Online Entertainment Inc.

Sony Online's award-winning Web site offers gamers the best in casual online games. With popular TV titles such as Jeopardy! Wheel of Fortune Online, card games, and action titles like Cosmic Rift, the station rewards its players with a host of contests and cash giveaways as well as localization so players can play in French, German and Japanese.

For support information, see Click to DVD (Sony Electronics Inc.).

TurboTax® for the Web
Intuit, Inc.

Quickly and easily prepares and files tax returns without downloading or installing any software. From the easy-to-use interview to features such as Instant Data Entry, also found in the TurboTax desktop products, TurboTax for the Web offers easy, fast and customized tax preparation.

For support information, see Quicken New User Edition (Intuit, Inc.).

VAIO Action Setup
Sony Electronics Inc.

VAIO Action Setup manages the settings for your computer's shortcut keys.

For support information, see Click to DVD (Sony Electronics Inc.).

VAIO Edit Components
Sony Electronics Inc.

VAIO Edit Components is a software plug-in for Adobe® Premiere® software that provides maximum compatibility and video quality for capturing video from your Sony digital camcorder.

For support information, see Click to DVD (Sony Electronics Inc.).

VAIO Hints and Tips
Sony Electronics Inc.

VAIO Hints and Tips provides helpful information about using your computer's preinstalled hardware and software. You can find suggestions on improving system performance, answers to frequently asked questions, and creative ways to tap into your computer's multimedia capabilities. As you become familiar with your computer's features, your creative VAIO® computer experience expands.

For support information, see Click to DVD (Sony Electronics Inc.).

VAIO Media
Sony Electronics Inc.

VAIO Media software brings multimedia to your network, enabling you to share music, video, and still image files between your VAIO® computers. You can set up one or more computers as "media servers," which store your multimedia files and make them available to other VAIO computers on your wired or wireless network.

For support information, see Click to DVD (Sony Electronics Inc.).

VAIO Music Services

Sony Electronics Inc.

Download music from the web, create your own albums, or have CDs sent straight to your house with VAIO Music Services. The ultimate place on the Web for music lovers to find out information about their favorite artist and get all of the latest music news.

For support information, see Click to DVD (Sony Electronics Inc.).

VAIO Support Agent

Sony Electronics Inc.

VAIO Support Agent provides immediate, interactive online support with information about your preinstalled software and answers to frequently asked questions.

For support information, see Click to DVD (Sony Electronics Inc.).

WinDVD® for VAIO®

InterVideo, Inc.

WinDVD software serves as a simple-to-use DVD player that offers all the features you would expect to find in a standard consumer DVD player, including advanced display and navigation features such as zoom, pan, bookmark, and time search.

Help and support information for WinDVD® software program:

web site	http://www.intervideo.com/jsp/Support.jsp
telephone	510-651-0888

Resources for Additional Help and Support

If the information provided with your VAIO® computer does not offer an immediate solution, or you would like to get direct support, try these additional help and support resources.

Sony Online Support Web site

Online help and support are available 24 hours a day, seven days a week, when you visit the Sony Online Support Web site. You can access the Web site at http://www.sony.com/pcsupport.

The Sony Online Support Web site provides:

- Information about your specific model computer, such as
  - hardware and software specifications.
  - upgrade and maintenance procedures.
  - safety and legal information.
  - quick solutions to common problems.
- An automated tutorial library that contains interactive, easy-to-understand lessons on using your computer's hardware and software features.
- Links that enable you to:
  - quickly find the nearest Sony service center locations.
  - arrange for repairs or check repair status.
  - review warranty information.
  - e-mail your question or comments to the Sony Customer Information Services Center.
  - check pricing and availability for products, accessories and parts, as well as purchase online.
  - access the Sony Solutions Knowledge Base, a database that contains answers to many frequently asked questions.

Sony Customer Information Services Center

If other support options do not resolve your issue, you can contact a Sony Support representative directly.

Before making a call to the Sony Customer Information Services Center, have this basic information readily available.

1. VAIO® computer system type.
2. Model number.
3. Serial number[1].

   Example:

4. Operating system.
5. Hardware feature or software program that has a problem. (See Software Help and Support for the appropriate software contact information.)
6. Brief description of the issue.

For VAIO® computers purchased in the U.S. and Canada, contact a Sony Support representative at 1-888-476-6972.

[1] The serial number is located on the back panel of your computer. The serial number is on a white barcode label.